SAMSUNG

TFT-LCD TV

Chassis GMS40HE

Model LE40M71B

SERVICE Manual

TFT-LCD TV

Fashion Feature

- **Luxurious Slim Design**
- **Supreme Picture Quality**
- **Supreme Sound Quality**
- **Supreme Convenience Quality**
- **Convenience for Users**

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LE40M71B Service Manual

First edition June 2006.

Printed in Korea.

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1 Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1 Safety Precautions

1-1-1 Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC Power Jack before servicing.

1-1-2 Servicing the LCD Monitor

1. When servicing the LCD Monitor Disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

1-1-3 Fire and Shock Hazard

Before returning the monitor to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1):
   WARNING: Do not use an isolation transformer during this test.
   Use a leakage current tester or a metering system that complies with American National Standards Institute (*ANSI C101.1, Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

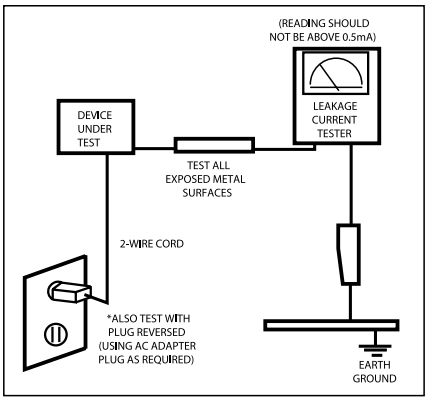


Figure 1-1. Leakage Current Test Circuit

1-1-4 Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by ⚠ on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

WARNING: **An electrolytic capacitor installed with the wrong polarity might explode.**

Caution: **Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.**

Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit s AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
   (a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument s ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument s ground lead last.

1-3 Static Electricity Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as anti-static can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

1-4 Installation Precautions

1. For safety reasons, more than two people are required for carrying the product.

2. Keep the power cord away from any heat emitting devices, as a melted covering may cause fire or electric shock.

3. Do not place the product in areas with poor ventilation such as a bookshelf or closet. The increased internal temperature may cause fire.

4. Bend the external antenna cable when connecting it to the product. This is a measure to protect it from being exposed to moisture. Otherwise, it may cause a fire or electric shock.

5. Make sure to turn the power off and unplug the power cord from the outlet before repositioning the product. Also check the antenna cable or the external connectors if they are fully unplugged. Damage to the cord may cause fire or electric shock.

6. Keep the antenna far away from any high-voltage cables and install it firmly. Contact with the high-voltage cable or the antenna falling over may cause fire or electric shock.

7. When installing the product, leave enough space (10cm) between the product and the wall for ventilation purposes.
   A rise in temperature within the product may cause fire.

Memo

2 Product specifications

2-1 Fashion Feature

Wise link

- Accept 10 types of Memory Cards including USB (10 in 3)
  Excellent Compatibility. SD/MMC/CF/MD/MS/MSPRO/XD/SM

Smooth Motion Driver

- No ghosting, No Smearing Edge in image
  powered by Smooth Motion Driver Engine of Samsung LCD TV

Wide Color Gamut

- More natural and vivid picture quality by WCG (127%)

High Dynamic Contrast

- 7000:1 Highest dynamic Contrast Ratio

Best Off-Angle Viewing

- Widened Viewing Angle , 178 ˚ / 178 ˚ (Left/Right)

Real 10 Bit

- Panel 10 Bit + Signal Processing 10 Bit

Game Mode

- Present the most suitable picture for gaming

Swivel Stand

- 20 ˚ / 20 ˚ (left/right)

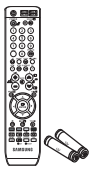
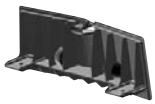
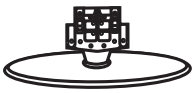
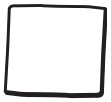
2-2 LE40M71B Specifications

Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly white, 40-Inch viewable, 0.648(H) x 0.216(V) mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 61 kHz (Automatic) / Vertical : 100 Hz ~ 120 Hz (Automatic)	
Display Colors	16,777,216 colours	
Maximum Resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Video Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω, internally terminated	
Input Sync Signal	Type : Seperate H/V Level : TTL level	
Maximum Pixel Clock rate	80 MHz	
Active Display Horizontal/Vertical	556.4 mm / 339.8 mm	
AC power voltage & Frequency	AC 220 ~ 240V, 50 ~ 60 Hz	
Power Consumption	205 W < 1W	
Dimensions(W x D x H) Set	1004 x 330 x 749 mm(39.52 x 12.99 x 29.49 inches) After installation Stand 31004 x 115 x 680 mm(39.52 x 4.52 x 26.77 inches) Without stand	
Weight Set(After installation Stand)	30.2 kg (66.58 lbs)	
TV System	Tunning	Frequency Synthesize
	System	PAL, SECAM
	Sound	MONO, STEREO, NICAM
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity : 5 % ~ 95 %	
Antena Input	75Ω	
Sound Characteristic	-MAX Internal speaker Out : Right : 5W / Left : 5W -BASS Control Range : -8 dB ~ + 8dB -TREBLE Control Range : -8 dB ~ +8 dB -Headphone Out : 10 mW MAX -Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	

2-3 Spec Comparison

Model	LE40M71B	LE26R71B / LE32R71B / LE40R71B
Design		
Frequency Horizontal Vertical Display Color	 30 ~ 61 kHz 100 ~ 120 Hz 16,777,216 colors	 30 ~ 61 kHz 60 ~ 75 Hz 16,777,216 colors
PC Resolution Maximum mode	 WXGA, 1366 x 768 @ 60 Hz	 WXGA, 1360 x 768 @ 60 Hz
Input Signal Sync Signal Video Signal	 H/V Separate, TTL, P. or N. 0.7 Vp-p @ 75ohm	 H/V Separate, TTL, P. or N. 0.7 Vp-p @ 75ohm
Power Consumption Normal Power Saving	 205W < 1W	 100W / 125W / 205W < 1W

2-4 Option Specification

Item	Item Name	Code.No	Remark
	Remote Control & Batteries (AAA x 2)	BN59-00530A	
	Power Cord	3903-000042	
	Cover-Bottom	BN63-02491A	
	Stand	BN90-00941A	
	Cleaning Cloth	BN63-01798A	

3 Alignments and Adjustments

3-1 Service Instruction

1. Usually, a color TV-VCR needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync.
2. Use the specified test equipment or its equivalent.
3. Correct impedance matching is essential.
4. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test result.
5. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.
6. Do not attempt to connect or disconnect any wire while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
7. To protect aganist shock hazard, use an isolation transform.

3-2 How to Access Service Mode

3-2-1 Entering Factory Mode

1. To enter "Service Mode" Press the remote -control keys in this sequence :
   - If you do not have Factory remote - control

   - If you have Factory remote - control

   - The buttons are active in the service mode.
     1. Remote - Control Key : Power, Arrow Up, Arrow Down, Arrow Left Arrow Right, Menu, Enter, Number Key(0~9)
     2. Function - Control Key : Power, CH +, CH -, VOL +, VOL -, Menu, TV/VIDEO(Enter)

3-3 Factory Data

1. Calibration
2. Option Table XXXX XXXX
3. White Balance
4. SVP-PX
5. Option Block
6. STV8257/STA323W
7. YC Delay
8. Adjust
9. I2C Check
10. W/B MOVIE
11. Checksum
12. Reset
13. Spread Spectrum

T-MSLMPEU-0611
T-BRDMPEUS-1002 (Sub Micom Ver)
Month / Day / Year / Hour / Min. / Sec.

1. Calibration
   1) AV Calibration
   2) Comp Calibration
   3) PC Calibration
   4) HDMI Calibration

2. Option Table XXXX XXXX

Inch Option	40"	Carrier Mute	ON	TTX Group	Auto
Gamma	AMLCD	Language	English	Auto Power	ON
Panel Option	AMLCD_INT	Auto FM	ON	Magazine LNA	OFF
2HDMI	ON	High Deviation	OFF	VOL MODE	LARGE
Brt.Sensor	OFF	TTX	ON	----	OFF
EnergySave	OFF	TTX List	Flof	Debug	OFF
LBE/FBE	ON	ACR	OFF	Ch.Table	SUWON
FRC(Micronas)	OFF	Dynamic CE	OFF	iDTV_Cntry	UK
FRC 2X	ON	Dynamic Dimming	ON	Dynamic Contrast	OFF
LNA	OFF	Tuner TOP	8		

3. White Balance

No	Item		TV/AV	Component	PC	DVI(HDMI)
1	Sub-Briteness	0~255	**80**	**115**	128	**140**
2	R-offset	0~255	**120**	**130**	128	**129**
3	G-offset	0~255	**128**	**128**	128	**128**
4	B-offset	0~255	**113**	**128**	128	**128**
5	Sub-Contrast	0~63	**36**	**32**	32	**28**
6	R-Gain	0~255	**140**	**129**	128	**130**
7	G-Gain	0~255	**128**	**128**	128	**128**
8	B-Gain	0~255	**150**	**129**	128	**120**

4. SVP-EX

1. ComB Filter

No	Item	Range	EEPROM	NTSC	PAL	SECAM		Control IC	Remark
1	Y-Filter	0 ~ 255		80h					x

2. Peaking

No	Item	Range	EEPROM	TV	AV	Component		Control IC	Remark
1	V-Peaking	0 ~ 255		80h					x
2	Peaking Delay	0 ~ 255		80h					x
3	Peaking Gain	0 ~ 255		80h					x
4	Peaking Width	0 ~ 255		80h					x
5	Praking f0	0 ~ 255		80h					x

3. NR

No	Item	Range	EEPROM	TV/AV/S_Video	Component	PC	DVI/HDMI	Control IC	Remark
1	Y-NR-Off	0 ~ 255		80h					x
2	C-NR-Off	0 ~ 255		80h					x
3	Y-NR-ON	0 ~ 255		80h					x
4	C-NR-ON	0 ~ 255		80h					x

4. Deinterlace

No	Item	Range	EEPROM	TV/AV/S_Video	Component	PC	DVI/HDMI	Control IC	Remark
1	Motion	0 ~ 255		80h					x

5. Picture Gain Adjust

No	Item	Range	EEPROM	TV/AV/S_Video	Component	PC	DVI/HDMI
1	TCD3 Contrast	0 ~ 255		AV Calibration(**78h**)	78h	78h	78h
2	TCD3 Brightness	0 ~ 255		AV Calibration(**20h**)	20h	20h	20h
3	TCD3 CR Saturation	0 ~ 255		78h	78h	78h	78h
4	TCD3 CB Saturation	0 ~ 255		78h	78h	78h	78h
5	TCD3 YC Delay	0 ~ 15		00h	00h	00h	00h
6	Analog Y offset	00 ~ 255		40h	3	40h	40h
7	Analog PB offset	00 ~ 255		80h	DTV Calibration(**80h**)	80h	80h
8	Analog PR offset	00 ~ 255		80h	DTV Calibration(**80h**)	80h	80h
9	Analog Y Gain	00 ~ 255		D6h	DTV Calibration(**D6h**)	D6h	D6h
10	Analog PB Gain	00 ~ 255		FEh	FEh	FEh	FEh
11	Analog PR Gain	00 ~ 255		FEh	FEh	FEh	FEh
12	Black Level Setting	00 ~ 255		00h			
13	Brightness(SVP)	0 ~ 255		00h			

5. MST9883

No	Item	Range	EEPROM	TV/AV/S_Video	Component	PC	DVI/HDMI
1	R-Offset	00 ~ 255		151*(SC1 RGB)*		PC Calibration(**128**)	
2	G-Offset	00 ~ 255		151*(SC1 RGB)*		PC Calibration(**128**)	
3	B-Offset	00 ~ 255		151*(SC1 RGB)*	X	PC Calibration(**128**)	X
4	R-Gain	00 ~ 255		123*(SC1 RGB)*		PC Calibration(**192**)	
5	G-Gain	00 ~ 255		123*(SC1 RGB)*		PC Calibration(**192**)	
6	B-Gain	00 ~ 255		123*(SC1 RGB)*		PC Calibration(**192**)	

6. MSP34XX/44XX

No	Item	Range	EEPROM	PAL
1	FM-Prescale	00 ~ 255		20h
2	NT-M-Prescale	00 ~ 255		20h
3	SECAM-L-Prescale	00 ~ 255		22h
4	NICAM-Prescale	00 ~ 255		42h
5	AV-Prescale	00 ~ 255		1Ah
6	I2S_1 Prescale	00 ~ 255		10h
7	I2S_2 Prescale	00 ~ 255		10h
8	Carrier Mute	00 ~ 255		42h
9	Pilot High	00 ~ 255		14
10	Pilot Low	00 ~ 255		7

7. YC Delay

No	Item	Range	EEPROM	TV/AV/S_Video	Component	PC	DVI/HDMI
1	RF PAL-B/G	00 ~ 255		77h			
2	RF PAL-D/K	00 ~ 255		88h			
3	RF PAL- I	00 ~ 255		66h			
4	RF SECAM-B/G	00 ~ 255		88h			
5	RF SECAM-D/K	00 ~ 255		77h			
6	RF SECAM-L/L'	00 ~ 255		88h			
7	RF NTSC3,58	00 ~ 255		66h	88h	88h	88h
8	RF NTSC4,43	00 ~ 255		CCh			
9	AV PAL	00 ~ 255		77h			
10	AV SECAM	00 ~ 255		BBh			
11	AV NTSC 3,58	00 ~ 255		66h			
12	AV NTSC4,43	00 ~ 255		CCh			
13	AV PAL60	00 ~ 255		77h			

8. Adjust

No	Item	Range	EEPROM	TV/AV/S_Video	Component	PC	DVI/HDMI	Control IC	Remark
1	Video Mute Time			10					
2	Melody Volume	0 ~ 20		5					
	Ana_Dimm_Max			FEH					
3	TTX Contrast	0 ~ 100		50					
4	TTX Brightness	0 ~ 100		50					
5	TTX Color	0 ~ 100		50					
6	Dynamic Contrast	0 ~ 100		100					Dynamic mode
7	Dynamic Brightness	0 ~ 100		50					
8	Dynamic Color	0 ~ 100		55					
9	Dynamic Sharpness	0 ~ 100		75					
10	Standard Contrast	0 ~ 100		80					Standard mode
11	Standard Brightness	0 ~ 100		50					
12	Standard Color	0 ~ 100		50					
13	Standard Sharpness	0 ~ 100		50					
14	Movie Contrast	0 ~ 100		70					Movie mode
15	Movie Brightness	0 ~ 100		50					
16	Movie Color	0 ~ 100		25					
17	Movie Sharpness	0 ~ 100		45					

No	Item	Range	EEPROM	TV/AV/S-Video	Component/PC/HDMI	Control IC	Remark
1	LNA PLUS				x	P4 CVD2 0x7F [07..00]	
2	RFDB_1 Level			1			
3	RFDB_2 Level			5			
4	RFDB_3 Level			10			
5	RFDB_4 Level			16			

9. I2C Check

10. Chip Debugger : OFF

11. Checksum XXXX XXXX

12. Reset

13. Spread Spectrum

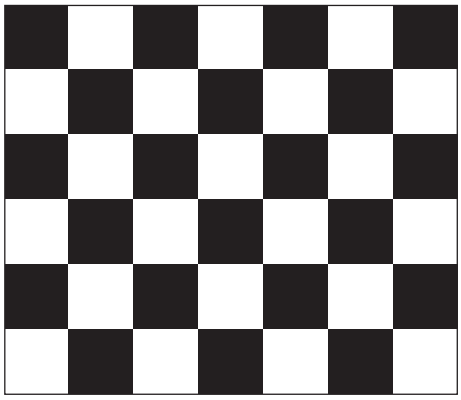
1	Spectrum	ON
2	Delta	-3
3	Positive	8
4	Nagative	2

3-4 Service Adjustment

3-4-1 White Balance - Calibration

If picture color is wrong, do calibration first.

Equipment : CA210, Patten : chess pattern
Execute calibration in Factory Mode
Source AV : PAL composite, Component : 1280*720/60Hz
PC : 1024*768/60Hz



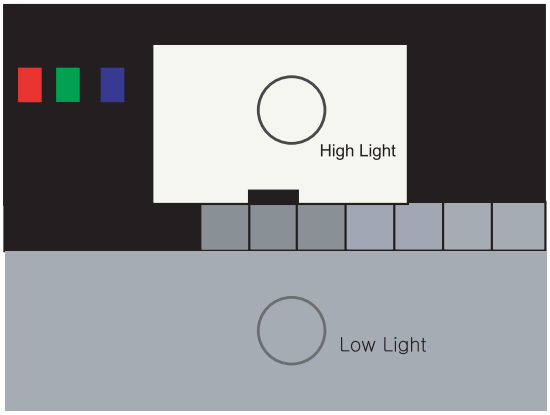
(chess patten)

3-4-2 White Balance - Adjustment

If picture color is wrong, check White Balance condition.

Equipment : CA210, Patten : Toshiba
Adjust W/B in Factory Mode

Sub brightness and R/G/B Offset controls low light region
Sub contrast and R/G/B Gain controls high light region
Source AV : PAL composite, Component : 1280*720/60Hz
HDMI[DVI] : 1280*720/60Hz



[Test Pattern : MSPG-945 Series Pattern #16]

*Color temperature
1500K +/-500, -6 ~-20 MPCD

*Color coordinate
H/L : 267/263 +/- 2 35.0 Ft +/- 2.0Ft
L/L : 270/260 +/- 3 1.5 Ft +/- 0.2Ft

Toshiba Patten

3-4-3 Conditions for Measurement

1. On the basis of toshiba ABL pattern : High Light level (57 IRE)
   - INPUT SIGNAL GENERATOR : MSPG-925LTH
     * Mode NO 2 : 744X484@60 Hz
       NO 6 : 1280X720@60 Hz
       NO 21 : 1024X768@60 Hz
     * Pattern NO 36 : 16 Color Pattern
       NO 16 : Toshiba ABL Pattern
2. Optical measuring device : CA210 (FL)

   Please use the MSPG-925 LTH generator for model LE26M51B/LE32M51B/LE40M51B/LE46M51B.

3-4-4 Method of Adjustment

1. Adjust the white balance of AV, Component and DVI Modes.

   (AV ⟶ Component)

   a) Set the input to the mode in which the adjustment will be made

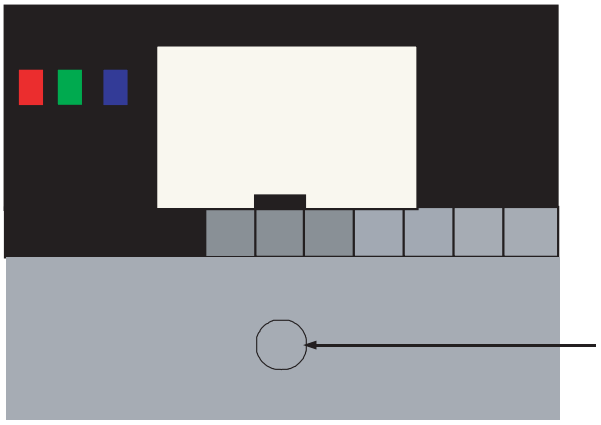
   (RF ⟶ DTV ⟶ PC ⟶ DVI).

   * Input signal - VIDEO Mode : Model #2 (744*484 Mode), Pattern #16
     - DTV,DVI Mode : Model #6 (1280*720 Mode), Pattern #16
     - HDMI Mode: Model #6(1280*720 Mode), Pattern #16

   b) Enter factory color control, confirm the data.

   c) Adjust the low light. (Refer to table 1, 2 in adjustment position by mode)
   - Adjust sub - Brightness to set the 'Y' value.
   - Adjust red offset ('x') and blue offset ('y') to the color coordinates.

Picture 4-2 Toshiba ABL Pattern



   * Do not adjust green offset data.

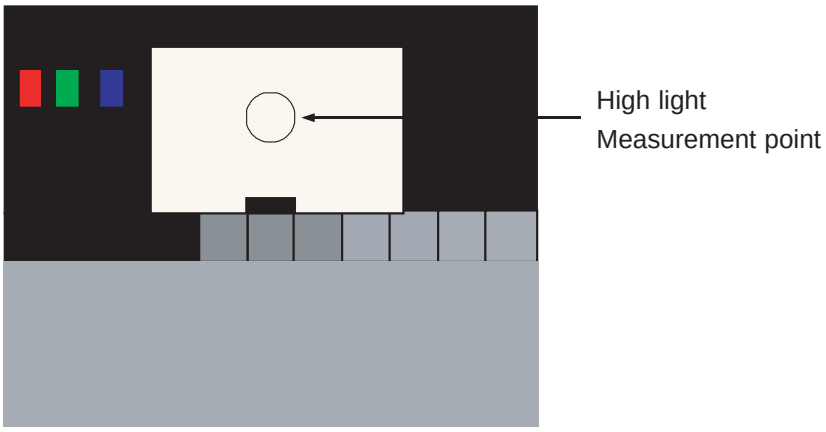
   d) Adjust the high light. (Refer to table 1, 2 in adjustment position by mode)
   - Adjust red gain ('x') and blue gain ('y') to the color coordinates.
   * Do not adjust the green gain and sub-contrast (Y) data.

d) Adjust the high light. (Refer to table 1, 2 in adjustment position by mode)

- Adjust red gain ('x') and blue gain ('y') to the color coordinates.

* Do not adjust the green gain and sub-contrast (Y) data.

Picture 4-3 Toshiba ABL Pattern

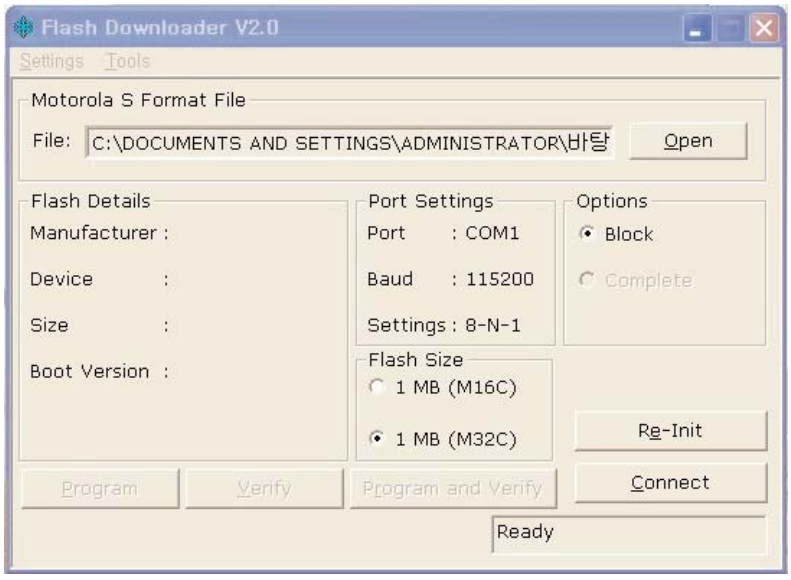


3-5 Software Upgrade

3-5-1 How to Update Flash ROM

1. Installthe Flash Downloader
   ConnectSet(Service Jack)and Jig Cable to execute Program Update.

2. Flash Downloader program update
   -Before Turning on the set,Click "connect"which is under of OSD Screen!
   -Turn on the Set.



Memo

4 Troubleshooting

4-1 First Checklist for Troubleshooting

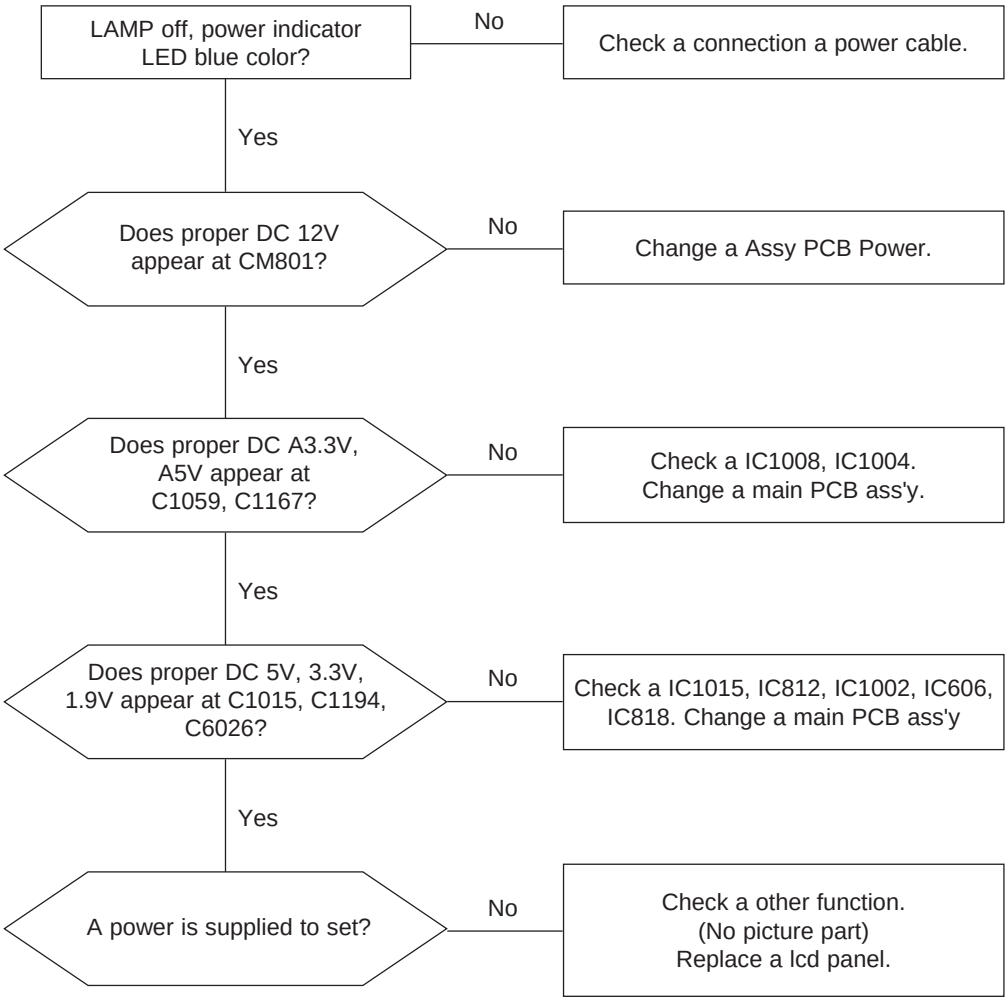
1. Check the various cable connections first.
   - Check to see if there is a burnt or damaged cable.
   - Check to see if there is a disconnected cable connection or a connection is too loose.
   - Check to see if the cables are connected according to the connection diagram.

2. Check the power input to the Main Board.

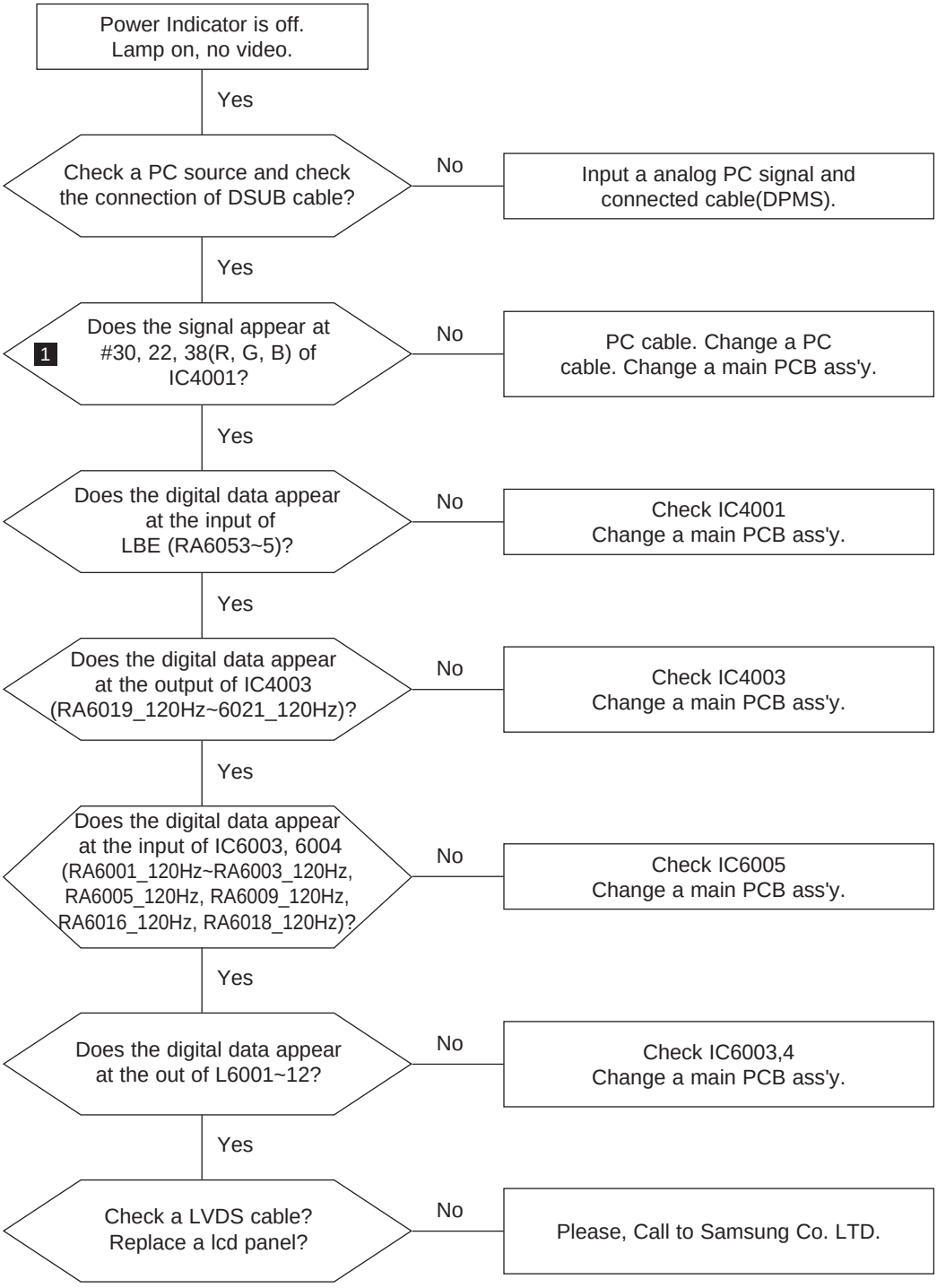
3. Check the voltage in and out between the SMPS ◄►Main Board, between the SMPS ◄► INVERTER Board, and between the Main LVDS Boards.

4-2 Checkpoints by Error Mode

4-2-1 No Power

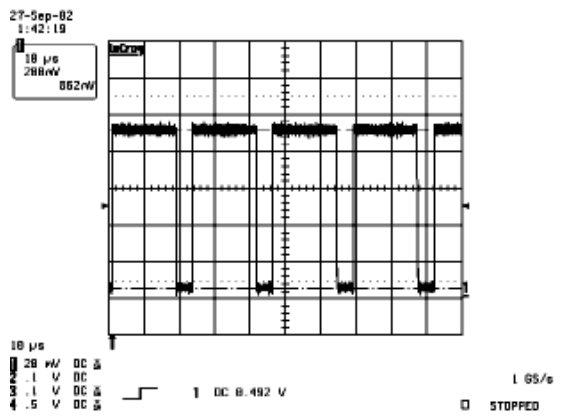

LAMP off, power indicator LED blue color?
No
Check a connection a power cable.
Yes
Does proper DC 12V appear at CM801?
No
Change a Assy PCB Power.
Yes
Does proper DC A3.3V, A5V appear at C1059, C1167?
No
Check a IC1008, IC1004. Change a main PCB ass'y.
Yes
Does proper DC 5V, 3.3V, 1.9V appear at C1015, C1194, C6026?
No
Check a IC1015, IC812, IC1002, IC606, IC818. Change a main PCB ass'y
Yes
A power is supplied to set?
No
Check a other function. (No picture part) Replace a lcd panel.

4-2-2 No Video (Analog PC)

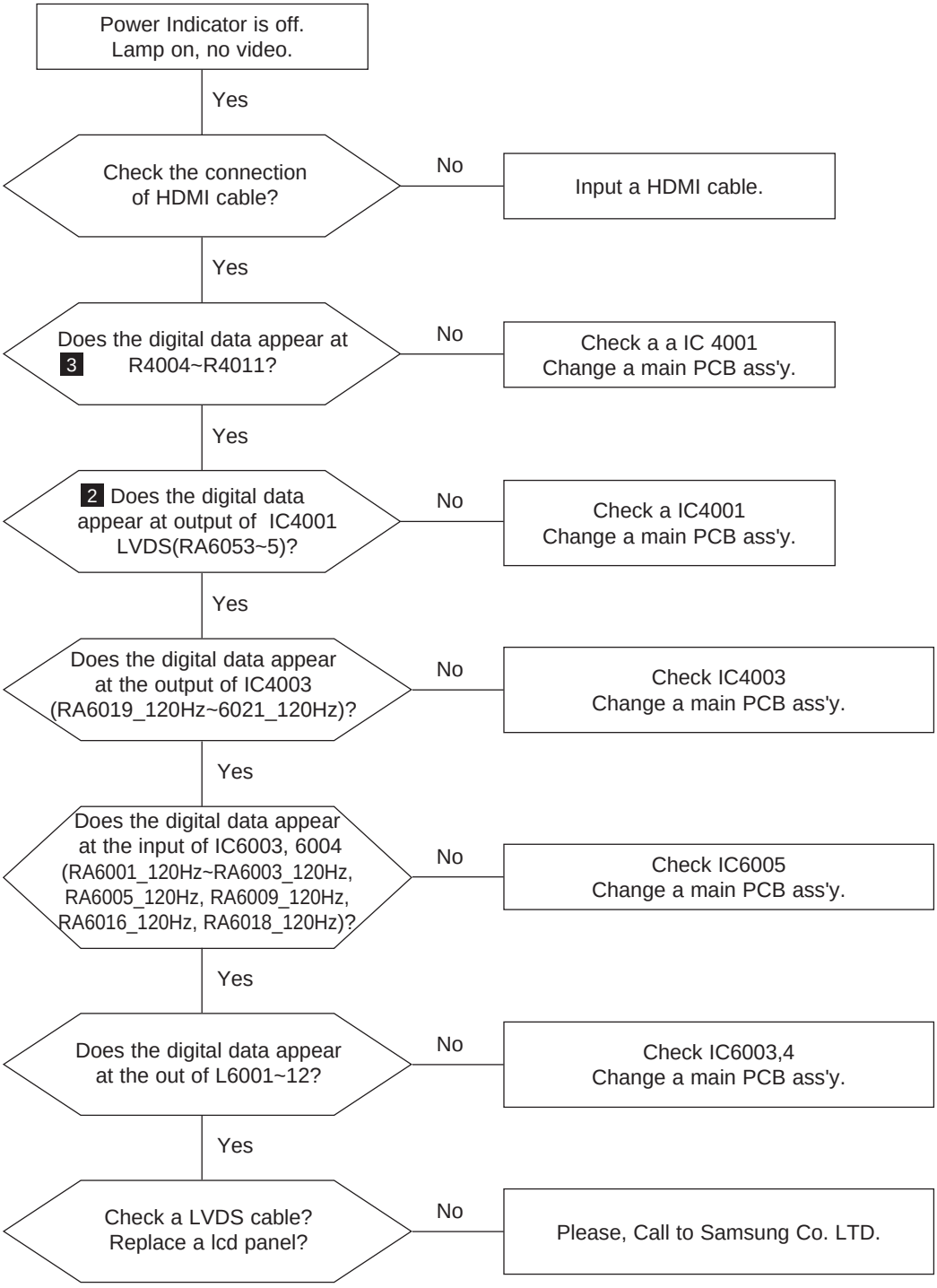

Power Indicator is off.
Lamp on, no video.
Yes
Check a PC source and check the connection of DSUB cable?
No
Input a analog PC signal and connected cable(DPMS).
Yes
1
Does the signal appear at #30, 22, 38(R, G, B) of IC4001?
No
PC cable. Change a PC cable. Change a main PCB ass'y.
Yes
Does the digital data appear at the input of LBE (RA6053~5)?
No
Check IC4001
Change a main PCB ass'y.
Yes
Does the digital data appear at the output of IC4003 (RA6019_120Hz~6021_120Hz)?
No
Check IC4003
Change a main PCB ass'y.
Yes
Does the digital data appear at the input of IC6003, 6004 (RA6001_120Hz~RA6003_120Hz, RA6005_120Hz, RA6009_120Hz, RA6016_120Hz, RA6018_120Hz)?
No
Check IC6005
Change a main PCB ass'y.
Yes
Does the digital data appear at the out of L6001~12?
No
Check IC6003,4
Change a main PCB ass'y.
Yes
Check a LVDS cable?
Replace a lcd panel?
No
Please, Call to Samsung Co. LTD.

WAVEFORMS

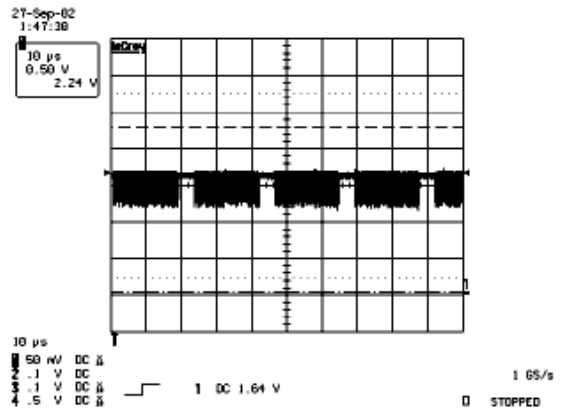
1 R,G,B Output Signal of IC500



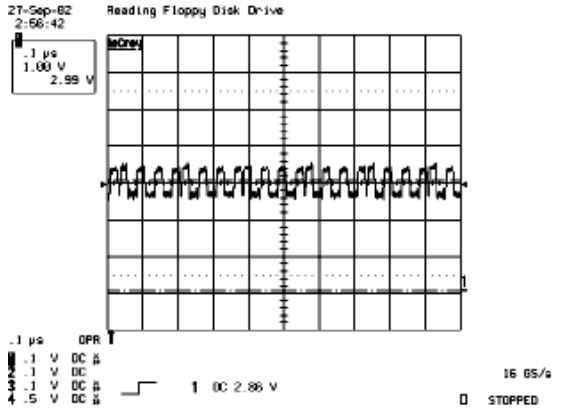
4-2-3 No Video (Digital-HDMI)



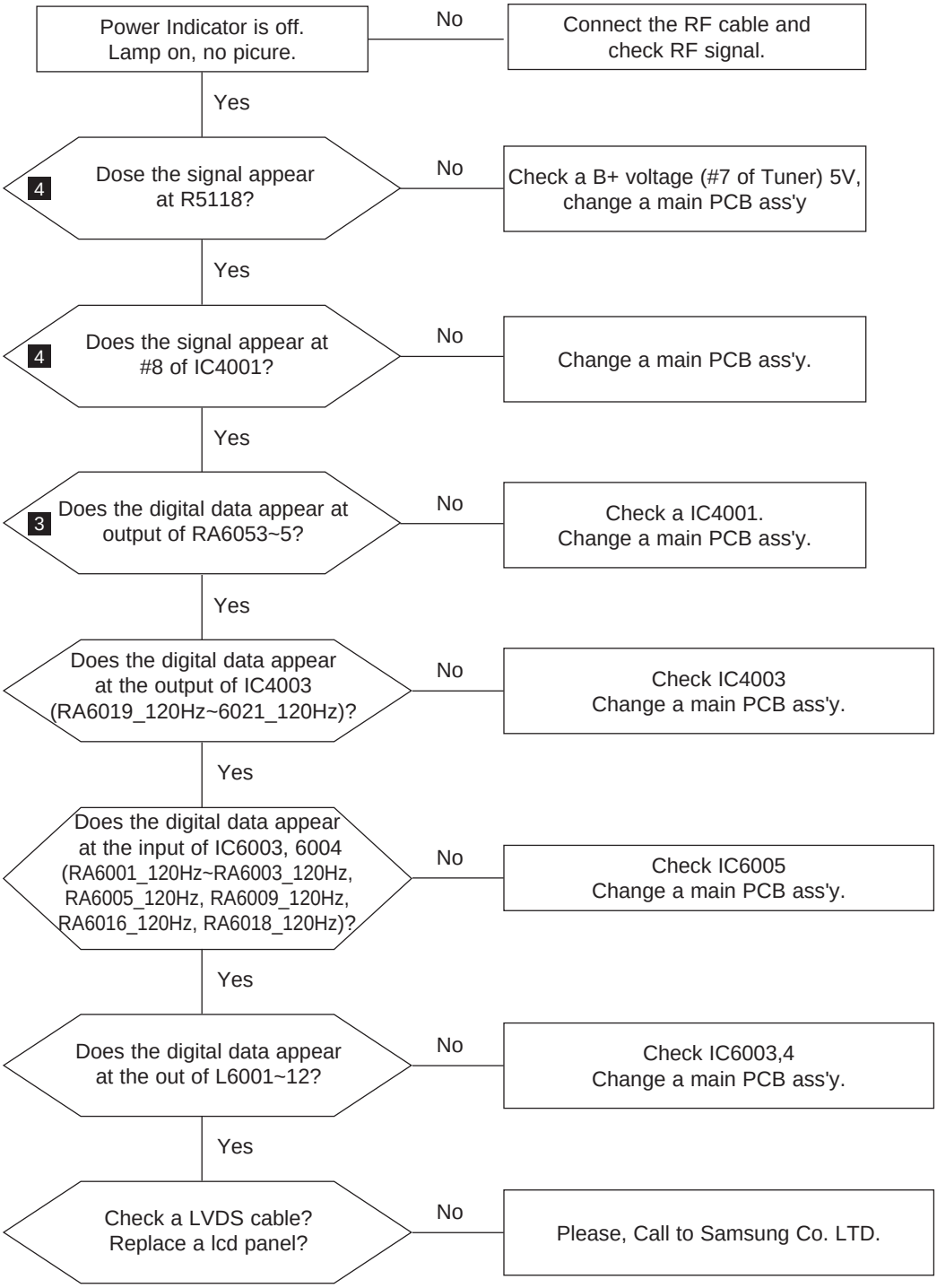
2 Digital Output Data of IC500



3 Signal of HDMI(Data)

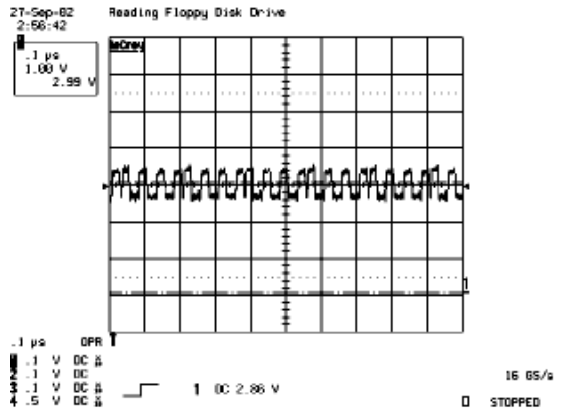


4-2-4 No Picture (Tuner_CVBS)

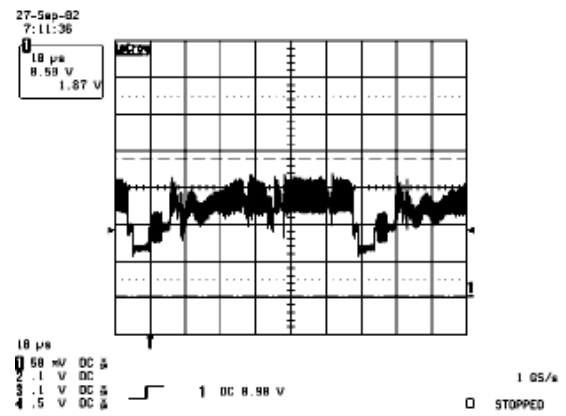


WAVEFORMS

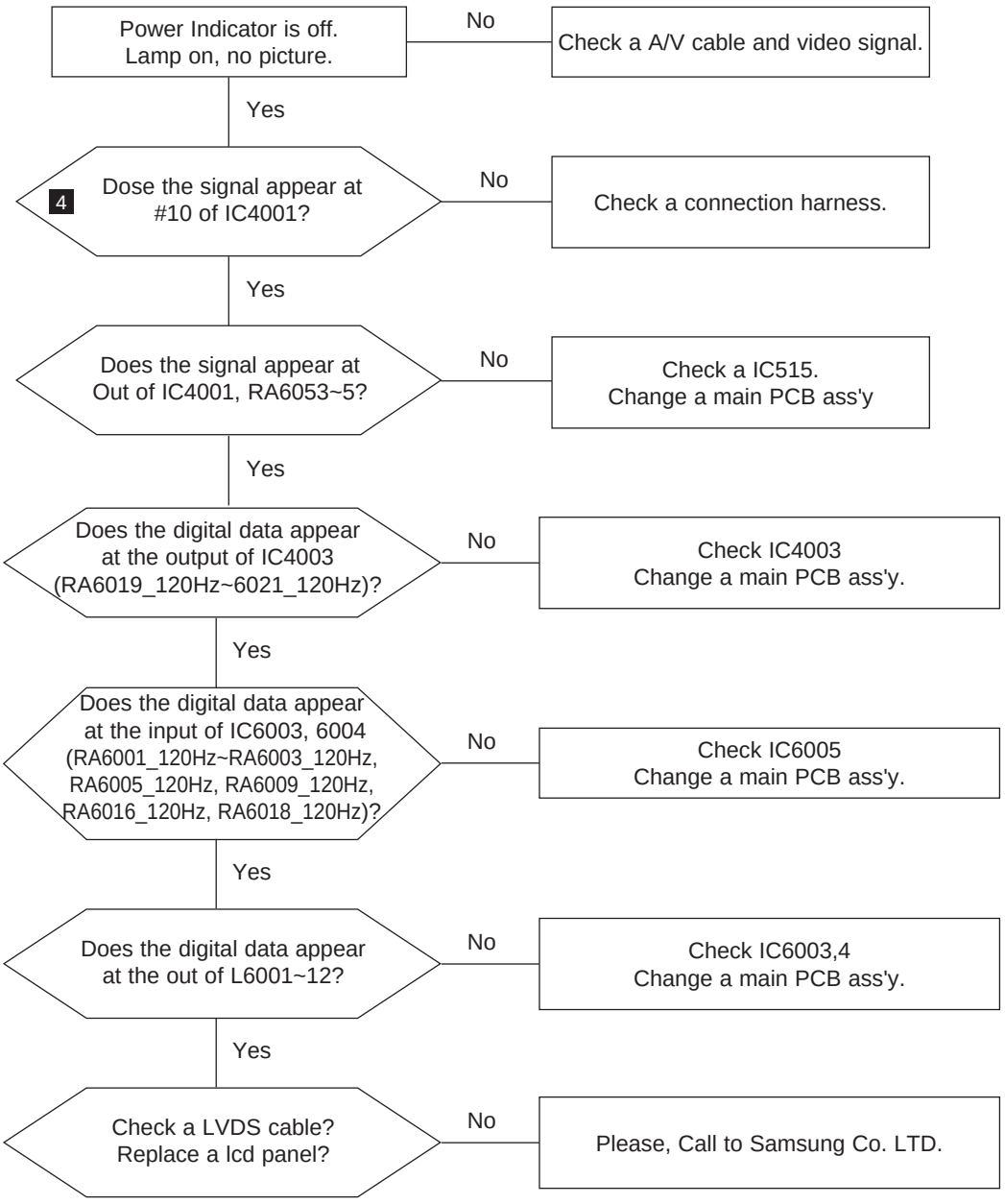
3 CVBS Output Signal



4 Tuner_CVBS Output Signal

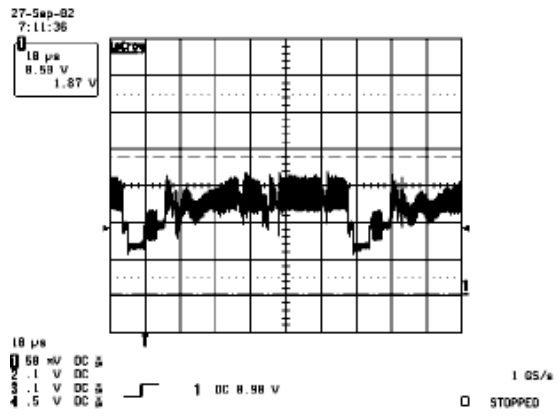


4-2-5 No Picture (Video_CVBS)

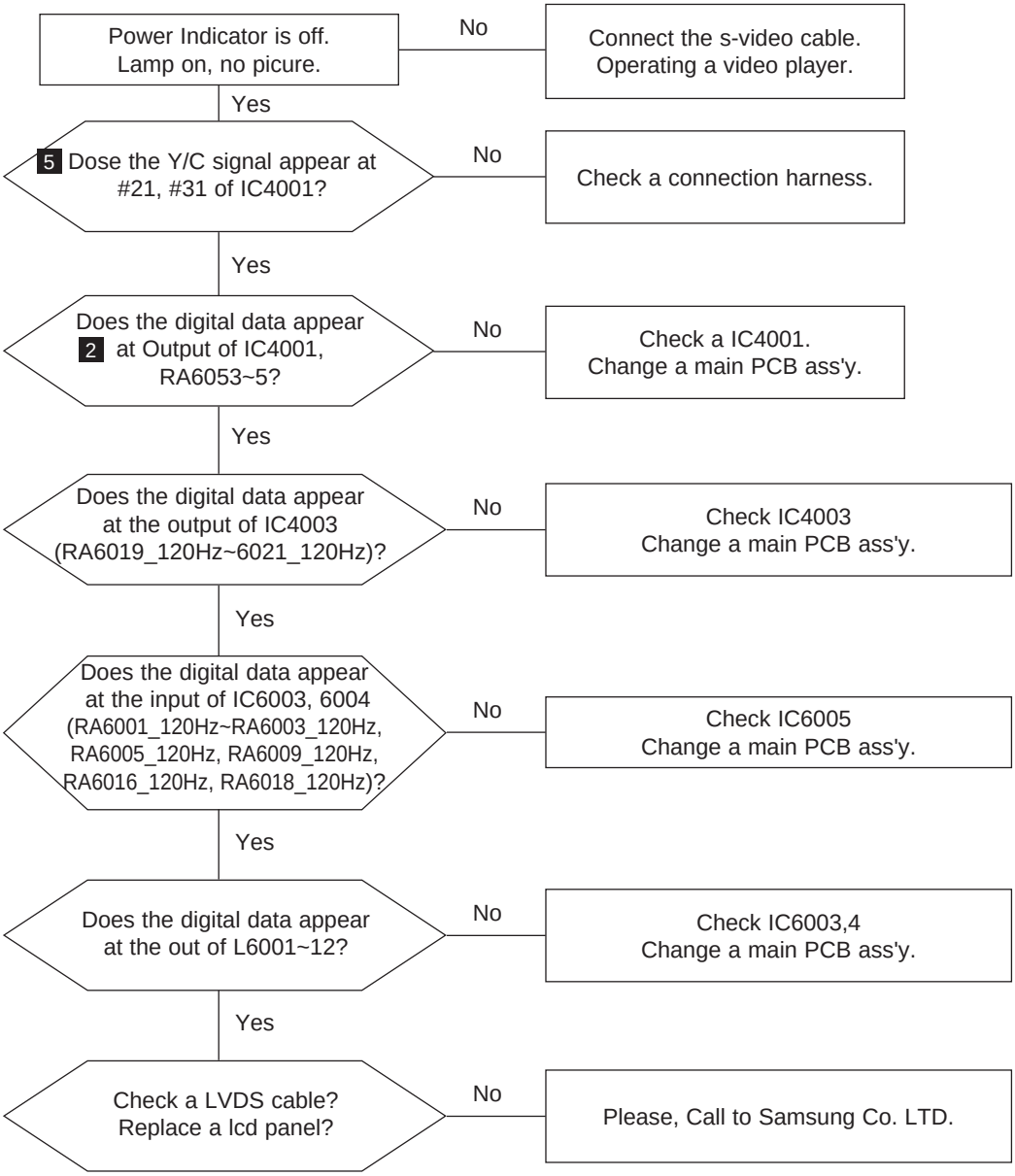


WAVEFORMS

4 CVBS Output Signal

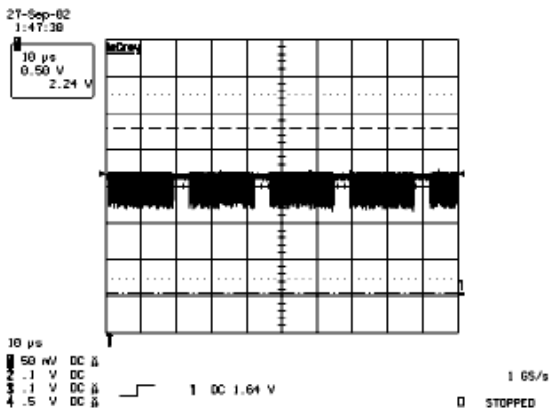


4-2-6 No Picture (S-VIDEO_Y,C)

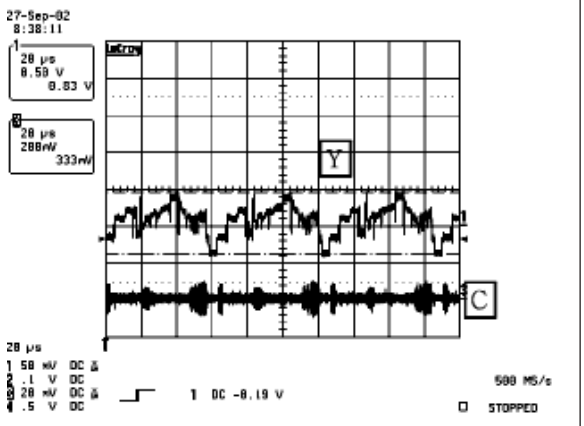

Power Indicator is off.
Lamp on, no picure.
No
Connect the s-video cable.
Operating a video player.
Yes
5 Dose the Y/C signal appear at #21, #31 of IC4001?
No
Check a connection harness.
Yes
Does the digital data appear 2 at Output of IC4001, RA6053~5?
No
Check a IC4001.
Change a main PCB ass'y.
Yes
Does the digital data appear at the output of IC4003 (RA6019_120Hz~6021_120Hz)?
No
Check IC4003
Change a main PCB ass'y.
Yes
Does the digital data appear at the input of IC6003, 6004 (RA6001_120Hz~RA6003_120Hz, RA6005_120Hz, RA6009_120Hz, RA6016_120Hz, RA6018_120Hz)?
No
Check IC6005
Change a main PCB ass'y.
Yes
Does the digital data appear at the out of L6001~12?
No
Check IC6003,4
Change a main PCB ass'y.
Yes
Check a LVDS cable?
Replace a lcd panel?
No
Please, Call to Samsung Co. LTD.

WAVEFORMS

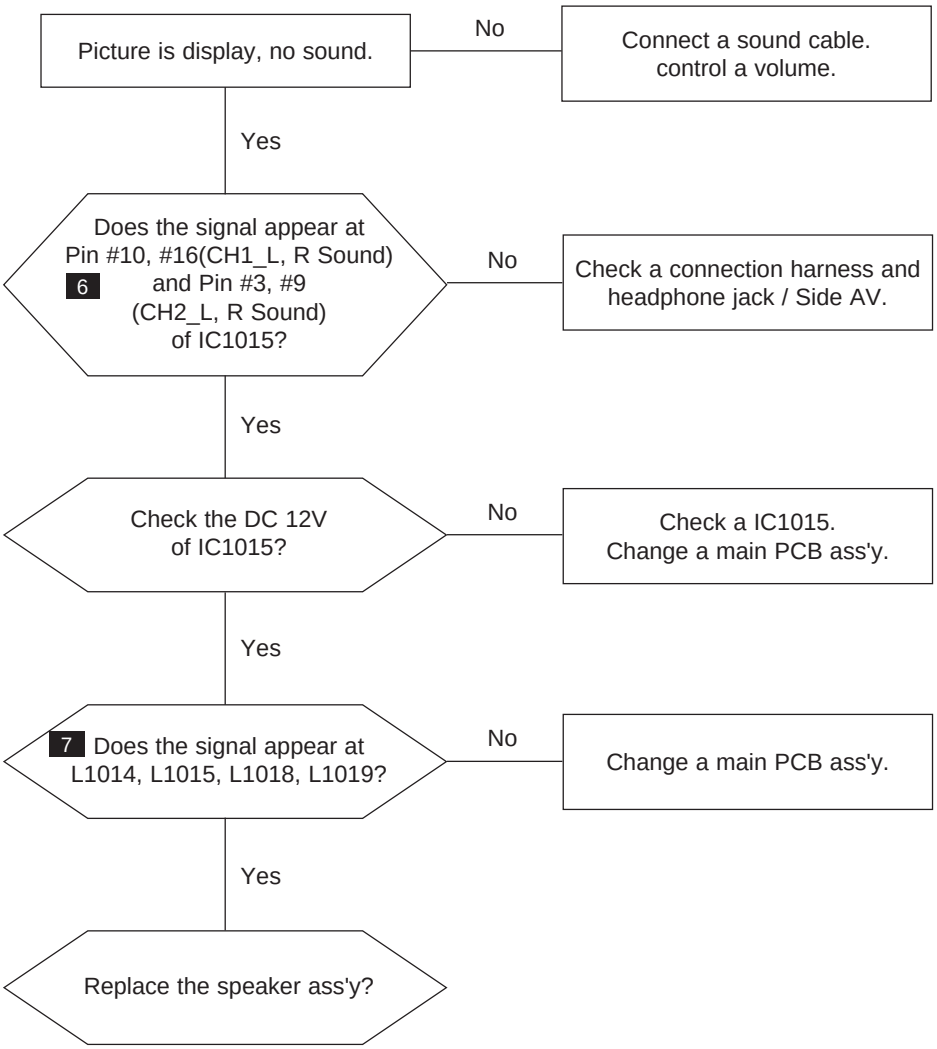
2 Digital Output Data of IC500



5 Analog Signal(Y,C) to IC500

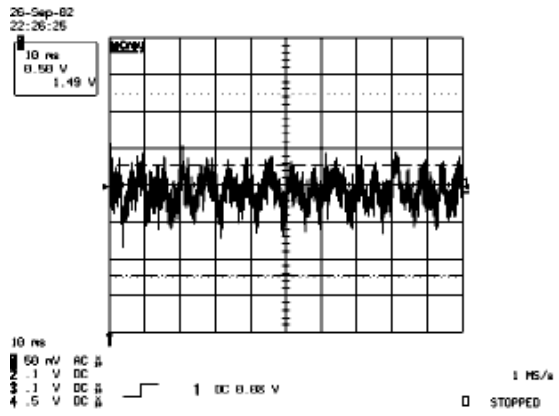


4-2-7 No Sound

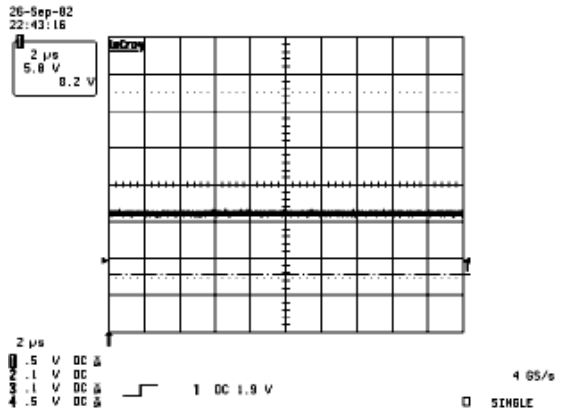

Picture is display, no sound.
No
Connect a sound cable.
control a volume.
Yes
Does the signal appear at
Pin #10, #16(CH1_L, R Sound)
6
and Pin #3, #9
(CH2_L, R Sound)
of IC1015?
No
Check a connection harness and
headphone jack / Side AV.
Yes
Check the DC 12V
of IC1015?
No
Check a IC1015.
Change a main PCB ass'y.
Yes
7
Does the signal appear at
L1014, L1015, L1018, L1019?
No
Change a main PCB ass'y.
Yes
Replace the speaker ass'y?

WAVEFORMS

6 The Signal are Inputed to IC1015



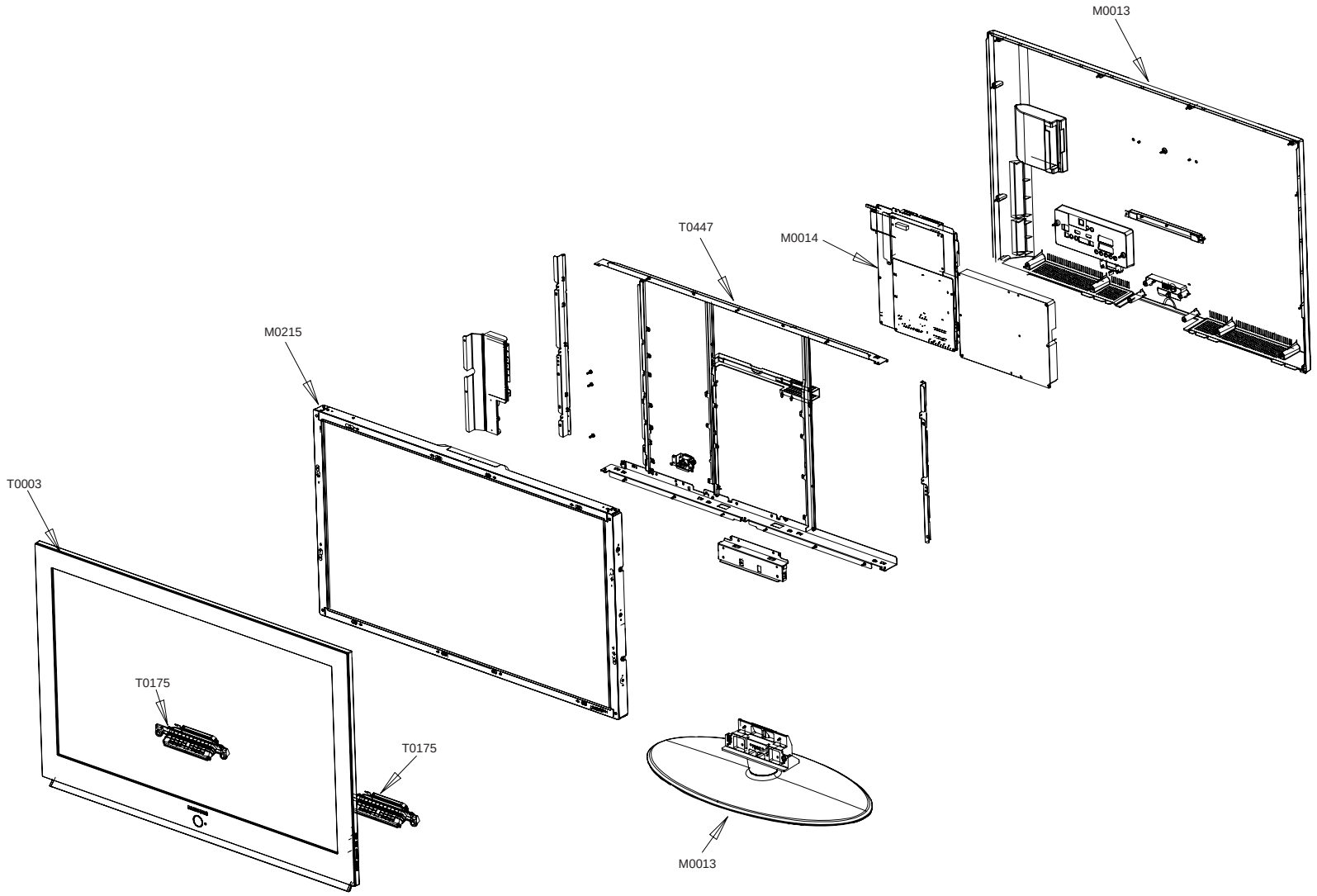
7 DC +12V



5 Exploded View and Parts List

- You can search for updated part codes through ITSELF web site.
  URL : http://itself.sec.samsung.co.kr/

5-1 LE40M71B Exploded View



5-2 LE40M71B Parts list

Location	Code.No	Item & Specification	Q'ty	SA/SNA	Remark
T0003	BN96-03412A	ASSY COVER P-FRONT;40M70,EO,ABS+PMMA,HB,	1	S.A	
T0175	BN96-03271A	ASSY SPEAKER P;8ohm,Mosel 32,Left,10W,BA	1	S.A	
T0175	BN96-03272A	ASSY SPEAKER P;8ohm,Mosel 32,Right,10W,B	1	S.A	
M0215	BN07-00271A	LCD-PANEL;LTA400WH-LH1,10bit/120Hz,952*5	1	S.A	
T0447	BN96-03421A	ASSY BRACKET P-PANEL;40M7,EO,MOSEL	1	S.N.A	
M0014	BN94-00964B	ASSY PCB MAIN;LE40M71BX/*	1	S.A	
M0013	BN96-03415A	ASSY COVER P-REAR;40M71,EO,HIPS,HB,BK500	1	S.A	
M0013	BN96-03418A	ASSY STAND P-BASE;40M70,ABS+PMMA,HB,BK23	1	S.A	

6 Electrical Parts List

-You can search for updated part codes through ITSELF web site.
URL : http://itself.sec.samsung.co.kr/

6-1 LE40M71B Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
		LE40M71BX/XEC	LE40M71B,Q56A/40M70-GMS,40,LCD-TV,SPAIN		
0.1	M0001	BN90-00935A	ASSY COVER FRONT;40M70,EO,ABS+PMMA,HB,BK	1	S.N.A
..2	T0175	BN96-03271A	ASSY SPEAKER P;8ohm,Mosel 32,Left,10W,BA	1	S.A
..2	T0175	BN96-03272A	ASSY SPEAKER P;8ohm,Mosel 32,Right,10W,B	1	S.A
..2	T0003	BN96-03412A	ASSY COVER P-FRONT;40M70,EO,ABS+PMMA,HB,	1	S.A
...3	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	4	S.N.A
...3	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	2	S.N.A
...3	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	2	S.N.A
...3	T0060	BN61-01655A	SPRING ETC;STS-304 SUS,D8,L12,T0.5	1	S.N.A
...3	CCM1	BN63-02183G	COVER-SHEET;Rhcm,PE Vinyl,T0.05,1100mm,2	1.983	S.N.A
...3	M0112	BN63-02488A	COVER-FRONT;40M70,EO,ABS+PMMA,-,-,-,HB,-	1	S.N.A
...3	T0023	BN64-00342A	KNOB POWER;ROME,40,PC,VIOLET	1	S.N.A
...3	T0054	BN64-00443A	KNOB-DECORATION;32R71,ABS,HB,GR503,VACUU	1	S.N.A
...3	T0061	BN64-00453A	WINDOW-REMOCON;32R71,PC,V0,VIOLET,DIFFUS	1	S.N.A
...3	S.A	BN96-03665A	ASSY COVER P-DECORATION;MOSEL,40,PC,CLEA	1	S.N.A
....4	T0056	BN63-02490A	COVER-DECORATION;MOSEL 40,PC,CLEAR	1	S.N.A
....4	T0056	BN63-02528A	COVER-DECORATION;MOSEL,40,ABS,HB,Cr-Plat	1	S.N.A
....4	T0056	BN63-02529A	COVER-DECORATION;MOSEL,40,ABS,HB,Cr-Plat	1	S.N.A
....4	CCM1	BN63-02183G	COVER-SHEET;Rhcm,PE Vinyl,T0.05,1100mm,2	0.09	S.N.A
....4	T0069	AA60-00091B	SPACER-FELT;-,FELT,100X10,-,-,BLK,T0.35,	2	S.N.A
....4	T0069	AA63-60001Q	SPACER-FELT;-,FELT,-,-,-,BLK,T0.35,-,150	2	S.N.A
...3	T0022	BN64-00467A	KNOB CONTROL;SONOMA26,32,40,ABS,-,-,-,V0	1	S.N.A
...3	M0145	BN96-03466B	ASSY BOARD P-FUNCTION;LE40M71BX,CT5000-4	1	S.A
...3	M0146	BN96-03634B	ASSY BOARD P-POWER & IR;LE40M71BX,CT5000	1	S.A
...3	S.A	BN61-02667A	HOLDER-BOSS;MOSEL 40,ABS,VO,TOP	2	S.N.A
...3	S.A	BN61-02670A	HOLDER-BOSS;MOSEL 40,ABS,VO,BOTTOM,LEFT	1	S.N.A
...3	S.A	BN61-02671A	HOLDER-BOSS;MOSEL 40,ABS,VO,BOTTOM,RIGHT	1	S.N.A
...3	S.A	BN61-02771A	BOSS-BOND;MOSEL,ABS+PMMA,NATURAL,BOND	14	S.N.A
0.1	M0002	BN90-00938A	ASSY COVER REAR;40M70,EO,HIPS,HB,BK500	1	S.N.A
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	2	S.A
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	1	S.A
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	14	S.A
..2	M0013	BN96-03415A	ASSY COVER P-REAR;40M71,EO,HIPS,HB,BK500	1	S.A
...3	M0006	BN63-02489A	COVER-REAR;40M71,EO,HIPS,-,-,-,HB,-,BK50	1	S.N.A
...3	T0071	BN64-00481A	INLAY-TERMINAL;MOSEL,40,EO,PS SHEET,T0.5	1	S.N.A
...3	T0064	BN65-00002A	CLAMPER CORE;BORDEAUX,PP,V0,BLK	1	S.N.A
...3	T0069	AA63-60122K	SPACER-FELT;SPD-42P3S,FELT,L60,D20,T0.35	4	S.N.A
...3	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	2	S.N.A
...3	S.A	BN61-02776A	HOLDER-WALL;32R7,ABS,HB,BLK	1	S.N.A
0.1	M0216	BN90-00941A	ASSY STAND;40M70,ABS+PMMA,HB,BK23,H/GLAS	1	S.N.A
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	4	S.A
..2	M0013	BN96-03418A	ASSY STAND P-BASE;40M70,ABS+PMMA,HB,BK23	1	S.A
...3	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	4	S.A
...3	M0081	6003-001239	SCREW-TAPTITE;FH,+,B,M4,L10,ZPC(YEL),SWR	4	S.A
...3	S.A	BN61-02247A	HOLDER-SWIVEL RING;40R71,ACETAL,BLK	1	S.N.A
...3	S.A	BN61-02248A	HOLDER-SWIVEL RING;40R71,ACETAL NATUAL,T	1	S.N.A
...3	S.A	BN61-02249A	HOLDER-SWIVEL RING;40R71,ACETAL NATUAL,B	1	S.N.A
...3	S.A	BN61-02259A	BRACKET-STAND BOTTOM;BORDEAUX 40,SGHC,T3	1	S.N.A
...3	S.A	BN61-02260A	BRACKET-HINGE SWIVEL;BORDEAUX 40,SGHC,T3	1	S.N.A
...3	CCM1	BN63-02183E	COVER-SHEET;Rhcm,PE Vinyl,T0.05,750mm,20	0.5	S.N.A
...3	T0004	BN63-02364A	COVER-STAND BASE;40R71,ABS+PMMA,HB,BK23,	1	S.N.A
...3	S.A	BN63-02495A	COVER-STAND SUB;40M70,ABS+PMMA,HB,BK23,H	1	S.N.A
...3	T0132	BN73-00052A	RUBBER FOOT;ARES 17,SILICON,DIA 17 * T1.	4	S.N.A
...3	T0920	BN61-02410A	GUIDE-STAND;MOSEL,40,ABS,V0,-,-,-,BK07,-	1	S.N.A
....4	T0514	BN61-02368A	BRACKET-SUPPORT;BORDEAUX 40,SECC,T1.2	2	S.N.A
0.1	M0017	BN91-01055A	ASSY CHASSIS-SPZ;LE40M71BX/XEC,Q56A ,AM	1	S.N.A
..2	T0862	BN94-00868D	ASSY PCB MISC-MMS;LE40M71BX/XEC	1	S.N.A
...3	T0245	0202-001522	SOLDER-WIRE FLUX;LFA3-107,-,D1.2,96.5Sn/	0.003	S.N.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
...3	CN330	3711-003340	HEADER-BOARD TO CABLE;BOX,16P,2R,2mm,STR	1	S.A
...3	T0174	BN97-00842E	ASSY SMD;LE40M71BX/XEC	1	S.N.A
....4	CIS05	0202-001477	SOLDER-CREAM;LST309-M,-,D20~45§-,96.5Sn/	5.347	S.N.A
....4	L0405	0601-001313	LED;SMD,GRN,2X1.8MM,565NM,3.16X1.6X1.1MM	1	S.A
....4	IC113	1105-001712	IC-DRAM;HYB25D256163CE,DDR,256Mbit,16Mx1	1	S.A
....4	IC6	1203-001211	IC-VOL. DETECTOR;7027,SOT-89,3P,-,PLASTI	1	S.A
....4	T0087	1203-002842	IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A
....4	T0087	1203-002842	IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A
....4	T0087	1203-002842	IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A
....4	T0087	1203-002974	IC-POSI.FIXED REG.;AP1117D-25A,TO-252,3P	1	S.A
....4	R11	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	S.A
....4	R12	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	S.A
....4	R120	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R138	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R148	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R149	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R150	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R19	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R32	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R33	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R35	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R36	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R10	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R9	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R107	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R108	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R109	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R111	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R112	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A
....4	R113	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A
....4	R1	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R117	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R140	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R146	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R158	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R159	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R5	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R116	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R139	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R142	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R143	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R144	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R145	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R37	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R38	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R7	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R8	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R100	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R101	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R129	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R130	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R160	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R161	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R64	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R65	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R66	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R67	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R68	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R69	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R70	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R71	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R72	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R73	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R74	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R75	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R76	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R77	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R78	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R79	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R80	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R81	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R82	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R83	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R84	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R85	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R86	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R87	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R88	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R89	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R90	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R91	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R92	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R93	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R94	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R95	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R96	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R97	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R98	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R99	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R102	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	S.A
....4	R103	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	S.A
....4	R115	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	S.A
....4	R49	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R50	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R51	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R52	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R53	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R54	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R55	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R56	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R57	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R58	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R59	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R60	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R61	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R62	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R63	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R106	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	S.A
....4	R114	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R48	2007-000475	R-CHIP;1Mohm,1%,1/10W,TP,1608	1	S.A
....4	R151	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R152	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R153	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R39	2007-007947	R-CHIP;36ohm,1%,1/10W,TP,1608	1	S.A
....4	R40	2007-007947	R-CHIP;36ohm,1%,1/10W,TP,1608	1	S.A
....4	R105	2007-008595	R-CHIP;1.02Kohm,1%,1/10W,TP,1608	1	S.A
....4	C106	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	S.A
....4	C114	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C115	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C100	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	S.A
....4	C101	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	S.A
....4	C116	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C117	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C118	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C155	2203-000552	C-CER,CHIP;0.02nF,5%,50V,C0G,1608	1	S.A
....4	C156	2203-000552	C-CER,CHIP;0.02nF,5%,50V,C0G,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C157	2203-000552	C-CER,CHIP;0.02nF,5%,50V,C0G,1608	1	S.A
....4	C104	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C105	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C107	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A
....4	C108	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A
....4	C123	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C124	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C125	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C126	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C127	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C128	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C135	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C136	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C137	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C138	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C139	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C140	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C141	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C142	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C143	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C144	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C145	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C146	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C160	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C164	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C165	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C44	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C45	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C46	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C47	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C48	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C49	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C50	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C51	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C52	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C53	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C54	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C55	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C56	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C57	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C58	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C59	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C60	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C61	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C62	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C63	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C64	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C65	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C66	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C67	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C68	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C69	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C71	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C72	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C73	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C74	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C76	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C77	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C78	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C79	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C81	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C82	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C83	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C84	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C86	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C87	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C88	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C89	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C91	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C92	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C93	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C94	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C95	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C96	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C97	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C98	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C99	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C109	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C110	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C111	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C112	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C113	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C10	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C11	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C119	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C120	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C147	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C148	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C149	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C150	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C151	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C152	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C153	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C154	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C161	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C21	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C22	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C23	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C24	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C25	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C26	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C27	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C28	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C29	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C3	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C30	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C31	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C32	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C33	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C34	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C35	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C36	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C37	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C38	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C39	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C4	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C40	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C41	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C42	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C43	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C5	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C8	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C9	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C122	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.7m	1	S.A
....4	C16	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.7m	1	S.A
....4	C162	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.7m	1	S.A
....4	C17	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.7m	1	S.A
....4	C18	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.7m	1	S.A
....4	C19	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.7m	1	S.A
....4	C20	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.7m	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	X3	2801-003804	CRYSTAL-SMD;24.576MHz,30ppm,28-AAN,20pF,	1	S.A
....4	X1	2801-003948	CRYSTAL-SMD;12MHz,30ppm,28-AAN,12pF,60oh	1	S.A
....4	X2	2801-004355	CRYSTAL-SMD;13.5MHz,30ppm,28-AAN,20,40oh	1	S.A
....4	MP1.0	BN41-00746A	PCB SUB-FUNCTION BOARD;MOSEL,FR-4,6,1.0,	1	S.N.A
....4	M0018	BN97-01024A	ASSY MICOM;29LV320,T-MSLMPEUW-1001,2006/	1	S.A
.....5	IC115	1107-001475	IC-FLASH MEMORY;29LV320,32MBIT,4MX8/2MX1	1	S.N.A
....4	Q1	0505-001217	FET-GAAS;FDN338P,-20V,+-8V,-1.6A,500mW,S	1	S.A
....4	Q2	0505-001217	FET-GAAS;FDN338P,-20V,+-8V,-1.6A,500mW,S	1	S.A
....4	Q3	0505-001217	FET-GAAS;FDN338P,-20V,+-8V,-1.6A,500mW,S	1	S.A
....4	Q4	0505-001217	FET-GAAS;FDN338P,-20V,+-8V,-1.6A,500mW,S	1	S.A
....4	Q5	0505-001217	FET-GAAS;FDN338P,-20V,+-8V,-1.6A,500mW,S	1	S.A
....4	Q6	0505-001217	FET-GAAS;FDN338P,-20V,+-8V,-1.6A,500mW,S	1	S.A
....4	IC1	1204-002585	IC-DECODER;MP612,LFBGA,256P,17x17mm,PLAS	1	S.A
....4	IC2	1205-002713	IC-CODEC;ALC202A,LQFP,48P,7X7MM,PLASTIC,	1	S.A
....4	R13	2007-007526	R-CHIP;23.7Kohm,1%,1/10W,TP,1608	1	S.A
....4	C103	2203-001242	C-CER,CHIP;0.082nF,5%,50V,NP0,1608	1	S.A
....4	C129	2203-001724	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,3216	1	S.A
....4	CN8	3709-001424	CONNECTOR-CARD SLOT;70pin,0.6,-,gold,car	1	S.A
....4	C163	2402-000209	C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm	1	S.A
....4	C7	2402-000209	C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm	1	S.A
....4	C133	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	S.A
....4	C134	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	S.A
....4	C1	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	1	S.A
....4	C158	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	1	S.A
....4	C159	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	1	S.A
....4	C2	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	1	S.A
....4	C6	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	1	S.A
....4	CN3	3709-001290	CONNECTOR-CARD SLOT;50P,1.27MM,SMD-A,AU1	1	S.A
....4	CN4	3722-002236	JACK-MINI USB;5P,AU30U,BLK,SMD-A,MINI US	1	S.A
....4	T0087	1203-002844	IC-POSI.FIXED REG.;AP1117D-18A,TO-252-3L	1	S.A
...3	CN5	3722-001051	JACK-USB;4P/1C,AU,BLK,ANGLE,A TYPE	1	S.A
...3	CIS06	BN63-02530A	SHIELD-MMS;MOSEL,SPTE T0.2,-,-,-,-,-	1	S.N.A
...3	T0069	AA63-60002W	SPACER-FELT;-,FELT,-,-,-,BLK,T0.5,-,30X1	1	S.N.A
..2	M0014	BN94-00964B	ASSY PCB MAIN;LE40M71BX/*	1	S.A
...3	T0245	0202-001522	SOLDER-WIRE FLUX;LFA3-107,-,D1.2,96.5Sn/	0.25	S.N.A
...3	JA2007	3701-001294	CONNECTOR-DSUB;15P,3R,FEMALE,STRAIGHT,AU	1	S.A
...3	CN330	3711-002347	HEADER-BOARD TO CABLE;BOX,16P,2R,2MM,ANG	1	S.A
...3	CN330	3711-004349	HEADER-BOARD TO CABLE;BOX,3P,1R,2mm,STRA	1	S.A
...3	CN330	3711-004484	HEADER-BOARD TO CABLE;BOX,5P,1R,2mm,STRA	1	S.A
...3	CN330	3711-004484	HEADER-BOARD TO CABLE;BOX,5P,1R,2mm,STRA	1	S.A
...3	CN330	3711-004909	HEADER-BOARD TO CABLE;BOX,14P,2R,2MM,ANG	1	S.A
...3	CN330	3711-005607	HEADER-BOARD TO CABLE;BOX,32P,2R,2mm,STR	1	S.A
...3	CN330	3711-005841	HEADER-BOARD TO CABLE;BOX,20P,2R,2.0mm,S	1	S.A
...3	CN330	3711-005842	HEADER-BOARD TO CABLE;BOX,24P,2R,2.0mm,S	1	S.A
...3	JA2001_EU	3722-000498	JACK-SCART;21P,-,SN,BLK,NO	1	S.A
...3	JA2005_EU	3722-000498	JACK-SCART;21P,-,SN,BLK,NO	1	S.A
...3	JA330	3722-001061	JACK-PHONE;1P,3.6PI,AG,BLK,N	1	S.A
...3	JA330	3722-001061	JACK-PHONE;1P,3.6PI,AG,BLK,N	1	S.A
...3	JA333	3722-002360	JACK-PIN;3P,AU,GRN/BLU/RED,STRAIGHT	1	S.A
...3	JA333	3722-002362	JACK-PIN;2P,Sn,WHT/RED,STRAIGHT	1	S.A
...3	JA333	3722-002362	JACK-PIN;2P,Sn,WHT/RED,STRAIGHT	1	S.A
...3	JA333	3722-002362	JACK-PIN;2P,Sn,WHT/RED,STRAIGHT	1	S.A
...3	CIS3	BN40-00078A	TUNER;TCLW3001PD32S(H),TCLW3001PD32S(H),	1	S.A
...3	T0174	BN97-00967B	ASSY SMD;LE40M71BX/*	1	S.N.A
....4	SUB05	0202-001477	SOLDER-CREAM;LST309-M,-,D20~45§-,96.5Sn/	4.307	S.N.A
....4	D2003	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2013_EU	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2016	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2017	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2018	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2019	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2020	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2021	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2022	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2023	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	D2032	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2033	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2034	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2057	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2062	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2063	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2064	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2065	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2066	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2067	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2068	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2069	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2072	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2085	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2086	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2087	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D2088	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D5020_RDY	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D1001	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	1	S.A
....4	D1012	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	1	S.A
....4	D1008	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A
....4	D3003	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A
....4	D2001	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D2002	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D2040	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D2043	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D2061	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D2070	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D2073	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D2074	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D2084	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D3006	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D3008	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D4001	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D4002	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D4003	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D4004	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D4005	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D4006	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D4007	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D4008	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D4009	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D4010	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D4011	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D4012	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D4013	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D4014	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D5010	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D5011	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D5012	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D2004	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500mW,LL-	1	S.A
....4	D2071	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500mW,LL-	1	S.A
....4	D3009	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
....4	D2009	0403-001169	DIODE-ZENER;RLZ16C,15.96-16.51V,500MW,LL	1	S.A
....4	D2039	0403-001169	DIODE-ZENER;RLZ16C,15.96-16.51V,500MW,LL	1	S.A
....4	D5021_RDY	0403-001425	DIODE-ZENER;BZX84C33,31-35V,350mW,SOT-23	1	S.A
....4	D2005_EU	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2006	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2007_EU	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2008	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2014	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2015	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2024	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2025_EU	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2026	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	D2027	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2028	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2029	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2030	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2031	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2035	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2036	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2037	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2038	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2051	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2052	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2054	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2055	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2056	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2078	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2081	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2082	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D2083	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D1002	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A
....4	D1011	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A
....4	D3001	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A
....4	D3002	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A
....4	Q1007	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150MW,SOT-23	1	S.A
....4	Q1006	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q1008	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q1009	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q1010	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q1011	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q1013	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q1016	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q2001	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q2002	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q3001	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q3003	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q3008	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q3010	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q3113	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q4001	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q5013	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q1003	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	S.A
....4	Q1017	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	S.A
....4	Q2003	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	S.A
....4	Q2007_FRC	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	S.A
....4	Q2008	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	S.A
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	S.A
....4	IC104	0801-002095	IC-CMOS LOGIC;74LCX245,TRANSCEIVER,TSSOP	1	S.A
....4	IC104	0801-002716	IC-CMOS LOGIC;74LCX157,MULTIPLEXER,SOIC,	1	S.A
....4	IC3002	0903-001432	IC-MICROCOMPUTER;M30840SGP,16Bit,LQFP,10	1	S.N.A
....4	IC106	1001-001082	IC-VIDEO SWITCH;BA7657F,-,SOP,24P,300MIL	1	S.A
....4	IC2005	1001-001109	IC-ANALOG SWITCH;FST3125M,BUS SWITCH & C	1	S.A
....4	IC3006	1001-001109	IC-ANALOG SWITCH;FST3125M,BUS SWITCH & C	1	S.A
....4	IC1016	1001-001178	IC-AUDIO SWITCH;TEA6422D,AUDIO SWITCH ,S	1	S.A
....4	IC106	1001-001363	IC-VIDEO SWITCH;PI3HDMI412FT,HDMI TMDS S	1	S.A
....4	IC107	1002-001399	IC-D/A CONVERTER;PCM1754,24BIT,SSOP,16P,	1	S.A
....4	IC110	1006-001076	IC-DRIVER/RECEIVER;MAX232ECWE+T,SOP,16P,	1	S.A
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	IC112	1103-001279	IC-EEPROM;24C32,32Kbit,4Kx8Bit,SOP,8P,5x	1	S.A
....4	IC5002	1105-001538	IC-VIDEO RAM;K4D263238,-,128M,4x1Mx32Bit	1	S.A
....4	IC113	1105-001760	IC-DRAM;EM6A9160,DDR,128Mbit,8Mx16,TSOP(	1	S.A
....4	DU410	1201-000166	IC-OP AMP;LM358,SOP,ST,8P,150MIL,DUAL,10	1	S.A
....4	T0085	1201-002136	IC-AUDIO AMP;LM4810,MSOP,8P,3x3mm,DUAL,-	1	S.A
....4	T0085	1201-002246	IC-AUDIO AMP;STA323W,SO,36P,15.9x11mm,-,	1	S.A
....4	IC3009	1203-001559	IC-RESET;DS1834A,SOIC,8P,150MIL,PLASTIC,	1	S.A
....4	T0087	1203-001815	IC-POSI.FIXED REG.;78M09,TO-252,3P,-,PLA	1	S.A
....4	T0087	1203-001816	IC-POSI.FIXED REG.;78M08,TO-252,3P,-,PLA	1	S.A
....4	T0087	1203-002591	IC-POSI.FIXED REG.;MIC39300-2.5BU,TO-263	1	S.A
....4	T0087	1203-002842	IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A
....4	T0087	1203-002855	IC-POSI.FIXED REG.;MC33269DTRK-5.0,DPRK,	1	S.A
....4	T0087	1203-002974	IC-POSI.FIXED REG.;AP1117D-25A,TO-252,3P	1	S.A
....4	IC012	1203-003000	IC-POSI.ADJUST REG.;MIC49150WR,S-PAK,5P,	1	S.A
....4	IC012	1203-003038	IC-POSI.ADJUST REG.;LP2995,SO,8P,4.9x3.9	1	S.A
....4	T0170	1203-003059	IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3	1	S.A
....4	T0170	1203-003059	IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3	1	S.A
....4	T0087	1203-003561	IC-POSI.FIXED REG.;NCP551SN15T1G,TSOP-5,	1	S.A
....4	IC1009	1204-002464	IC-AUDIO PROCESSOR;STV8257DSX,TQFP,80P,1	1	S.A
....4	IC118	1204-002496	IC-VIDEO PROCESS;S4LD158X01,QFP,128P,14x	1	S.N.A
....4	IC118	1204-002503	IC-VIDEO PROCESS;SVP-PX56-7256,PQFP,256P	1	S.N.A
....4	IC118	1204-002657	IC-VIDEO PROCESS;FRC9449H A1,LBGA,260P,1	1	S.N.A
....4	IC120	1205-002382	IC-TRANSMITTER;THC63LVD103,TQFP,64P,10x1	1	S.A
....4	IC120	1205-002382	IC-TRANSMITTER;THC63LVD103,TQFP,64P,10x1	1	S.A
....4	IC4007_FRC	1209-001685	IC-PLL/SYNTHESIZER;MK2302S-01LF,SOIC,8P,	1	S.A
....4	IC2011	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	IC2012	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	IC2013	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	IC2014	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	IC2015	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	IC2016	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	IC2017	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	IC2018	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	IC2019	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	IC2020	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	IC2021	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	IC2022	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	IC2023	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	IC2024	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	IC2025	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	IC2026	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A
....4	R2179	2007-000040	R-CHIP;150ohm,1%,1/10W,TP,1608	1	S.A
....4	R6194_FRC	2007-000040	R-CHIP;150ohm,1%,1/10W,TP,1608	1	S.A
....4	R5026	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	S.A
....4	R5029	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	S.A
....4	R1057	2007-000050	R-CHIP;7.15Kohm,1%,1/10W,TP,1608	1	S.A
....4	R3088	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R3100	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R3101	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R3102	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R3104	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R3105	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R3106	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R3107	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R3120	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R3130	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R3476	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R4052	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R5117	2007-000060	R-CHIP;100Kohm,1%,1/10W,TP,1608	1	S.A
....4	R1128	2007-000066	R-CHIP;20Kohm,1%,1/10W,TP,1608	1	S.A
....4	R1066	2007-000067	R-CHIP;15Kohm,1%,1/10W,TP,1608	1	S.A
....4	R1130	2007-000067	R-CHIP;15Kohm,1%,1/10W,TP,1608	1	S.A
....4	R1052	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R1059	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R1085	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R1086	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R1087	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R1123_EU	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2055	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2064	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2080	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2098	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2099	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2100	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2101	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2102	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2103	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2104	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2105	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2106	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2107	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2108	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2109	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2111	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2112	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2113	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2114	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2115	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2233	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3003	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3024	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3025	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3026	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3027	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3028	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3029	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3031	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3032	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3033	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3035	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3037	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3039	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3040	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3041	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3043	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3047	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3089	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3090	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3117	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3118	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3132	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3472_RDY	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3473_RDY	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R3474_RDY	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4004	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4005	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4006	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4007	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4008	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4009	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4010	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4011	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4012	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4016	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4017	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4018	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4019	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4032	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4033	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R4035	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4057	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4058	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4062	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4064	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4130_FRC	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4131_FRC	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4140	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4147	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4148	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4149	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R4155_FRC	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R5076	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R5122	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R6004	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R2050	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R2063	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R2228	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R2231	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R2234	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R2236	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R2237	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R2240	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R2242	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R2243	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R2246	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R2247	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R2251	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R2252	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R2253	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R2254	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R4015	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R4020	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R4125	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R4126	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R4127	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R4144	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R4158_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R5030	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R5031	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R5032	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R5033	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6008_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6009_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6010_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6011_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6012_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6013_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6014_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6016_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6044_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6045_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6046_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6047_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6048_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6049_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6050_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6051_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6052_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6053_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6054_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6055_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6056_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6057_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6058_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R6059_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6060_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6061_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6062_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6063_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6064_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6065_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6066_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6067_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R6077_FRC	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R1061	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R1063	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R1131	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R1132	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R1133	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R1134	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R2007	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R2008	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R2049	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R2051	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R2118	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R2119	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R5113_RDY	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R5114_RDY	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R6022_FRC	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R6023_FRC	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R1009	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1010	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1011	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1012	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1013	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1014	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1017	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1018	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1032	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1033	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1037	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1040	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1042	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1047	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1048	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1049	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1050	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1053	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1054	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1055	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1056	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1091	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1092	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1093	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1115	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1116	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1121	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R1122	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R2023	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R2029	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R2060	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R2081	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R2219_FRC	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R2230	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R2260	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3008	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3009	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3010	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3011	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R3034	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3036	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3038	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3046	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3055	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3057	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3058	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3059	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3062	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3063	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3073	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3074	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3077	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3078	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3125	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R3135	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4028	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4038	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4049	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4050	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4055	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4056	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4072	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4078	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4083	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4088	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4092	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4120	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4129	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4138	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4139	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R5116_RDY	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R5120_RDY	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R4154	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	S.A
....4	R2001_EU	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A
....4	R2005_EU	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A
....4	R2035	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A
....4	R2040	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A
....4	R5150_RDY	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A
....4	R1098	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R2004	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R2006	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R2033	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R2034	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R2037	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R2039	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R2042	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R2043	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R2074	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R2075	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R2077	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R2079	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R2244	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R2245	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R3128	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R3133	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R4030	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R4031	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R4143	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R6398_FRC	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R6399_FRC	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R2009	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2016	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2120	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2124	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R2160	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3001	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3019	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3030	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3121	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3143	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3144	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3475	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4025	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4026	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4027	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4034	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4053	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4141	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4142	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R6145	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2157	2007-000079	R-CHIP;1.8Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3016	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3017	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3071	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3072	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4145	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4146	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1035	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1058	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1060	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2180_FRC	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3002	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3015	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3018	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3020	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3021	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3022	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3070	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3079	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3080	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3081	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3082	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3086	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3087	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3108	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3109	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3110	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3111	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3112	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3113	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3114	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3116	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3134	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3136	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3140	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4036	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4037	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4136	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4137	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4151	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4153	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R6001	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R6002	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R6028_FRC	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R6029_FRC	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R6078_FRC	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R6079_FRC	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R6081_FRC	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1127	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R2028	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2061_EU	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1051	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1067	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1120	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1125	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1126	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1136	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2002	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2003	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2013	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2044	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2045	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2057	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2065	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2116	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2117	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2121	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2185_FRC	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2218_FRC	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3005	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3075	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3076	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3083	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3084	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3085	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3131	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3142	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4118	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4119	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R5123_RDY	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R6003_FRC	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R6007_FRC	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R6015_FRC	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R6017_FRC	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R6024_FRC	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R6025_FRC	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R6069_FRC	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1065	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1129	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1070	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1071	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2161	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1082	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3004	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	S.A
....4	R5154_RDY	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1062	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1068	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1075	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1079	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1080	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2010	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2011_EU	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2012_EU	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2162	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3099	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1001	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1002	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1003	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1004	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1005	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1006	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1007	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1008	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1019	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R1020	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1021	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1022	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1023	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1024	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1025	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1026	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1107	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1108	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1109	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1110	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1111	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1112	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1113	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1114	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1064	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1069	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1072	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1135	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1138_FRC	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R5152_RDY	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R5119_RDY	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	S.A
....4	R5121_RDY	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	S.A
....4	R5130_RDY	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1073	2007-000107	R-CHIP;470Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2125	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2126	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2127	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2128	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2129	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2130	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2131	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2132	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2133	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2134	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2135	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2136	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2137	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2138	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2139	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2140	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R4021	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R4022	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R4023	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R4024	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R2159	2007-000116	R-CHIP;120ohm,5%,1/10W,TP,1608	1	S.A
....4	R1036	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	1	S.A
....4	R1031	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2158	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2220	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2221	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2222	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3129	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	S.A
....4	R1096	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2024_EU	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	S.A
....4	R2018	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R2022_EU	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R2031	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R2053	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R2058	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R2068	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R2084	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R2093	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R2171	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R3044	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R3048	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3049_1M	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3050_1M	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3056	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3060	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3061	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3064	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3066	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3067	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3068	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3069	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3091	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3092	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3093	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3094	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3095	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3096	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3097	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R3098	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R2017	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2052	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	S.A
....4	R2141	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R2142	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R2143	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R2144	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R2145	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R2146	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R2147	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R2148	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R2149	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R2150	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R2151	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R2152	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R2153	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R2154	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R2155	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R2156	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R3012	2007-000704	R-CHIP;3.6Kohm,5%,1/10W,TP,1608	1	S.A
....4	R3013	2007-000704	R-CHIP;3.6Kohm,5%,1/10W,TP,1608	1	S.A
....4	R4156	2007-000903	R-CHIP;430ohm,1%,1/10W,TP,1608	1	S.A
....4	R2019	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	S.A
....4	R2020	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	S.A
....4	R2021	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	S.A
....4	R2066	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	S.A
....4	R2067	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	S.A
....4	R2076	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	S.A
....4	R2078	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	S.A
....4	R2082	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	S.A
....4	R2083	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	S.A
....4	R2094	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	S.A
....4	R2095	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	S.A
....4	R5035	2007-001014	R-CHIP;51OHM,5%,1/10W,TP,1608	1	S.A
....4	R5039	2007-001014	R-CHIP;51OHM,5%,1/10W,TP,1608	1	S.A
....4	R2030_EU	2007-001131	R-CHIP;68ohm,1%,1/10W,TP,1608	1	S.A
....4	R2056_EU	2007-001131	R-CHIP;68ohm,1%,1/10W,TP,1608	1	S.A
....4	R2014	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R2015	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R2025	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R2026	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R2027	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R2032	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R2062	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R2085	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R2086	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R2087	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R2122	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R2123	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R2172	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R5118_RDY	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R2036	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R2038	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R2041	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R2046	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R2047	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R2048	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R2054	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R2059	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R2256	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R2257	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R2258	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R2175_EU	2007-007733	R-CHIP;51ohm,1%,1/10W,TP,1608	1	S.A
....4	R1083	2007-008720	R-CHIP;4.7ohm,1%,1/4W,TP,3216	1	S.A
....4	R1088	2007-008720	R-CHIP;4.7ohm,1%,1/4W,TP,3216	1	S.A
....4	R1094	2007-008720	R-CHIP;4.7ohm,1%,1/4W,TP,3216	1	S.A
....4	R1097	2007-008720	R-CHIP;4.7ohm,1%,1/4W,TP,3216	1	S.A
....4	RA4005_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA4006_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA4007_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA4008_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA4009_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA4010_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA4011_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA4012_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA4013_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6000_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6001_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6002_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6003_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6004_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6005_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6006_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6007_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6008_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6009_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6010_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6011_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6012_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6013_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6014_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6015_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6056_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6057_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6058_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA6059_FRC	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA5001	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA5002	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA5003	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA5004	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA5005	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA5006	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA5007	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA5010	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA6018_FRC	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA6019_FRC	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA6020_FRC	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA6021_FRC	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA6022_FRC	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA6023_FRC	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA6024_FRC	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA6025_FRC	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	RA6026_FRC	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA6027_FRC	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA3004	2011-000651	R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3005	2011-000651	R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3007	2011-000651	R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3008	2011-000651	R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3009	2011-000651	R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3011	2011-000651	R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA4003	2011-001001	R-NET;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.6	1	S.A
....4	RA4004	2011-001001	R-NET;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.6	1	S.A
....4	RA4016	2011-001001	R-NET;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.6	1	S.A
....4	RA4017	2011-001001	R-NET;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.6	1	S.A
....4	RA4018	2011-001001	R-NET;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.6	1	S.A
....4	RA3001	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3002	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3003	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3006	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3010	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3012	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3013	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3014	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3015	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3016	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3017	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3018	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3019	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA3020	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA4001	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA4002	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	C1158	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A
....4	C1037	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C1062	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C1004	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1006	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1008	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1016	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1021	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1025	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1027	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1043	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1046	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1052	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1053	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1054	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1055	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1075	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1084	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1086	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1087	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1097	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1098	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1103	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1105	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1108	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1109	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1132	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1133	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1141	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1159	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1168	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1197	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1199	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1201	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1203	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C2002	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C2018	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C2040	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C2059	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C3001	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C3005	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C3034	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4016	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4017	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4018	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4019	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4020	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4021	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4022	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4025	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4026	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4027	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4028	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4029	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4031	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4032	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4034	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4035	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4036	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4038	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4039	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4040	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4041	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4042	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4043	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4045	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4046	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4048	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4049	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4052	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4053	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4054	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4055	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4059	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4060	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4061	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4062	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4063	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4067	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4068	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4069	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4070	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4071	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4073	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4076	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4077	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4080	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4081	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4083	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4084	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4085	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4086	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4095	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C4128	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C5092	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C6039_FRC	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C1050_EU	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C1134	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C1135	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C1161	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C1162	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C1163	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C2004	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C2006	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C2007_EU	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C2012	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C2014	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C2019	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C2020_EU	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C2022	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C2023	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C2024	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C2027	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C2028	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C2044	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C2064	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C3024	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C3025	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C5089_RDY	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C5090_RDY	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C1002	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C1005	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C1013	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C1022	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C1026	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C1034	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C1049	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C1094	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C1198	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C2056	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C2065	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C2066	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C2068	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C3035	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C4005	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C4006	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C4007	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C4008	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C4009	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C4098	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C4104	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C4108	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C4111	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C4116	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C4134	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C4136_FRC	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C5006	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C5007	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C5008	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C5009	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C5010	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C5017	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C5036	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C5101_RDY	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C5108_RDY	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C5109_RDY	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C6036_FRC	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C2003_EU	2203-000315	C-CER,CHIP;0.12nF,5%,50V,C0G,1608	1	S.A
....4	C2005_EU	2203-000315	C-CER,CHIP;0.12nF,5%,50V,C0G,1608	1	S.A
....4	C2011	2203-000315	C-CER,CHIP;0.12nF,5%,50V,C0G,1608	1	S.A
....4	C2013	2203-000315	C-CER,CHIP;0.12nF,5%,50V,C0G,1608	1	S.A
....4	C1110	2203-000405	C-CER,CHIP;0.18nF,5%,50V,C0G,1608	1	S.A
....4	C1200	2203-000405	C-CER,CHIP;0.18nF,5%,50V,C0G,1608	1	S.A
....4	C3002	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C3003	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C3007	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C3020	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C3021	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C3029	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C4099	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C4105	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C4109	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C4110	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C4119	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C5106_RDY	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	S.A
....4	C4058	2203-000531	C-CER,CHIP;2.7nF,10%,50V,X7R,1608	1	S.A
....4	C4066	2203-000531	C-CER,CHIP;2.7nF,10%,50V,X7R,1608	1	S.A
....4	C4001	2203-000552	C-CER,CHIP;0.02nF,5%,50V,C0G,1608	1	S.A
....4	C4011	2203-000552	C-CER,CHIP;0.02nF,5%,50V,C0G,1608	1	S.A
....4	C1070	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C1082	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C3012	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C3013	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C3030	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C3031	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C1111	2203-000715	C-CER,CHIP;3.3nF,10%,50V,X7R,1608	1	S.A
....4	C1202	2203-000715	C-CER,CHIP;3.3nF,10%,50V,X7R,1608	1	S.A
....4	C1142	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C1152	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C2009	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C2010	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C2015	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C2016	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C2069	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C2070	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C1100	2203-000798	C-CER,CHIP;33nF,10%,16V,X7R,TP,1608,-	1	S.A
....4	C1101	2203-000798	C-CER,CHIP;33nF,10%,16V,X7R,TP,1608,-	1	S.A
....4	C2029	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A
....4	C2030	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A
....4	C2031	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A
....4	C1119	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C1120	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C4003	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C4004	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C5003	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C5004	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C5107_RDY	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C1063	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,1608	1	S.A
....4	C4056	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,1608	1	S.A
....4	C5103_RDY	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,1608	1	S.A
....4	C2008	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A
....4	C2052	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A
....4	C2067	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A
....4	C6017_FRC	2203-001083	C-CER,CHIP;0.0050nF,0.1pF,50V,NP0,1608	1	S.A
....4	C6018_FRC	2203-001083	C-CER,CHIP;0.0050nF,0.1pF,50V,NP0,1608	1	S.A
....4	C1056	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	S.A
....4	C1164	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	S.A
....4	C5104_RDY	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	S.A
....4	C1114	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	S.A
....4	C1116	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	S.A
....4	C1038	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	S.A
....4	C1061	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	S.A
....4	C3039	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	S.A
....4	C1117	2203-001724	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,3216	1	S.A
....4	C4030	2203-001724	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,3216	1	S.A
....4	C4047	2203-001724	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,3216	1	S.A
....4	C4051	2203-001724	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,3216	1	S.A
....4	C1003	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1011	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1039	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1066	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C1068	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1071	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1072	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1073	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1074	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1078	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1079	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1093	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1104	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1148	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1169	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1181	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1194	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1207	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C2042	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C2045	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C2047	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C2049	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C2055	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C2060	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3009	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3010	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3014	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3015	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3016	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3018	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3019	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3022	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3026	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3027	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3032	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3037	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3040	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3042	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3044	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3046	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3047	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C3049	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C4002	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C4097	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C4101	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C4103	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C4107	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C4112	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C4115	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C4131	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C4133	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C4135	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C5001	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C5002	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C5011	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C5012	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C5084_LNA	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C5085_RDY	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C5115_RDY	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6000_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6001_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6002_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6003_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6004_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6005_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6006_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6007_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6008_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6011_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C6012_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6013_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6014_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6015_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6016_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6023_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6024_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6025_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6026_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6029	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6030	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6031	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6032	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6033	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6034	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6035	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6042_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6043_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6047_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6056_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6057_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6058_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6059_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6060_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6061_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6062_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6065_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6066_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6067_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C6127_FRC	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C1143	2203-005030	C-CER,CHIP;470nF,+80-20%,50V,Y5V,TP,3216	1	S.A
....4	C1153	2203-005030	C-CER,CHIP;470nF,+80-20%,50V,Y5V,TP,3216	1	S.A
....4	C1031	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C1155	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C1206	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C2038	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C2041	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C3023	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C3033	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C4096	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C4100	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C4102	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C4106	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C4113	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C4114	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C4117	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C4118	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C6055_FRC	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C6064_FRC	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C6107_FRC	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C6108_FRC	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C6109_FRC	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C1131	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C1137	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C1138	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C1140	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C1144	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C1145	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C1146	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C1147	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C1149	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C1150	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C1154	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C1156	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C1157	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C1160	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C1166	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C2072	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C4014	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4015	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4024	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4033	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4037	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4044	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4050	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4065	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4074	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4075	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4078	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4079	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4087	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4088	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4089	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4090	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4091	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4092	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4093	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C4094	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C3017	2203-005834	C-CER,CHIP;22000nF,+80-20%,10V,Y5V,3216	1	S.A
....4	C1001	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1012	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1014	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1017	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1018	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1019	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1020	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1023	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1024	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1035	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1041	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1045	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1047	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1048	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1051	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1058	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1060	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1065	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1069	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1076	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1077	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1080	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1081	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1083	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1085	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1088	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1089	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1090	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1091	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1092	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1136	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1139	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1185	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1186	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1187	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1188	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1205	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C2001	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C2017	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C2039	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C2043	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C2046	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C2048	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C2050	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C2057	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C3006	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C3008	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C3011	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C3028	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C3041	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C3043	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C3045	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C3048	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C3050	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C3051	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C4057	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C4064	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C4072	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C4082	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C4129	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C4130	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C5093	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C5110_LNA	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C5111_LNA	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C5112_RDY	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C5113_RDY	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C5114_RDY	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C6009_FRC	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C6010_FRC	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C6019_FRC	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C6020_FRC	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C6021_FRC	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C6022_FRC	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C6027	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C6028	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C6049_FRC	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C6050_FRC	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C6121_FRC	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C6122_FRC	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C1182	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	S.A
....4	C6052_FRC	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.7m	1	S.A
....4	C4012	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	1	S.A
....4	C4013	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	1	S.A
....4	C6037_FRC	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	1	S.A
....4	C6038_FRC	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	1	S.A
....4	C6044_FRC	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	1	S.A
....4	C6051_FRC	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	1	S.A
....4	C6125_FRC	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	1	S.A
....4	C6126_FRC	2402-001059	C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6	1	S.A
....4	C1009	2402-001081	C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10	1	S.A
....4	C1029	2402-001081	C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10	1	S.A
....4	C1204	2402-001081	C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10	1	S.A
....4	C5032	2402-001097	C-AL,SMD;0.1UF,20%,50V,WT,TP,4.3X4.3X5.2	1	S.A
....4	C5033	2402-001097	C-AL,SMD;0.1UF,20%,50V,WT,TP,4.3X4.3X5.2	1	S.A
....4	C1010	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	S.A
....4	C1015	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	S.A
....4	C1036	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	S.A
....4	C1042	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	S.A
....4	C1059	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	S.A
....4	C1112	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	S.A
....4	C1113	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	S.A
....4	C1115	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	S.A
....4	C6054_FRC	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	S.A
....4	C6063_FRC	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	S.A
....4	C1007	2402-001129	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	S.A
....4	C1028	2402-001129	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C1064	2402-001129	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	S.A
....4	C1107	2402-001129	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	S.A
....4	C2058	2402-001129	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	S.A
....4	C3036	2402-001129	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	S.A
....4	C3038	2402-001129	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	S.A
....4	C4010	2402-001129	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	S.A
....4	C1106	2402-001160	C-AL,SMD;330UF,20%,16V,WT,TP,1008	1	S.A
....4	C3004	2402-001178	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.8m	1	S.A
....4	C1057	2402-001183	C-AL,SMD;22UF,20%,16V,WT,TP,5.3X5.3X6MM	1	S.A
....4	C1167	2402-001183	C-AL,SMD;22UF,20%,16V,WT,TP,5.3X5.3X6MM	1	S.A
....4	C1193	2402-001183	C-AL,SMD;22UF,20%,16V,WT,TP,5.3X5.3X6MM	1	S.A
....4	C4132	2402-001183	C-AL,SMD;22UF,20%,16V,WT,TP,5.3X5.3X6MM	1	S.A
....4	C5005	2402-001183	C-AL,SMD;22UF,20%,16V,WT,TP,5.3X5.3X6MM	1	S.A
....4	C5016	2402-001183	C-AL,SMD;22UF,20%,16V,WT,TP,5.3X5.3X6MM	1	S.A
....4	C5102_RDY	2402-001183	C-AL,SMD;22UF,20%,16V,WT,TP,5.3X5.3X6MM	1	S.A
....4	C1180	2402-001218	C-AL,SMD;22UF,20%,35V,WT,TP,6.6X6.6X5.8M	1	S.A
....4	C1127	2402-001221	C-AL,SMD;470UF,20%,16V,-,TP,A8.3XB8.3XL1	1	S.A
....4	C1165	2402-001221	C-AL,SMD;470UF,20%,16V,-,TP,A8.3XB8.3XL1	1	S.A
....4	C5105_RDY	2402-001238	C-AL,SMD;1uF,20%,50V,HR,TP,4.3x4.3x5.2mm	1	S.A
....4	C1102	2402-001263	C-AL,SMD;1000uF,20%,10V,WT,SMD,10x10	1	S.A
....4	C1095	2409-001029	C-ORGANIC;120uF,20%,6.3V,WT,TP,10.3x10.3	1	S.A
....4	C1196	2409-001029	C-ORGANIC;120uF,20%,6.3V,WT,TP,10.3x10.3	1	S.A
....4	T0052	2703-000274	INDUCTOR-SMD;2.2uH,10%,2012	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	S.A
....4	T0052	2703-000417	INDUCTOR-SMD;220uH,5%,3225	1	S.A
....4	T0052	2703-001229	INDUCTOR-SMD;2.2uH,10%,1608	1	S.A
....4	T0052	2703-001229	INDUCTOR-SMD;2.2uH,10%,1608	1	S.A
....4	T0052	2703-001229	INDUCTOR-SMD;2.2uH,10%,1608	1	S.A
....4	T0052	2703-001229	INDUCTOR-SMD;2.2uH,10%,1608	1	S.A
....4	T0052	2703-001229	INDUCTOR-SMD;2.2uH,10%,1608	1	S.A
....4	T0052	2703-001229	INDUCTOR-SMD;2.2uH,10%,1608	1	S.A
....4	T0052	2703-001426	INDUCTOR-SMD;680uH,20%,7070	1	S.A
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	S.A
....4	T0052	2703-002327	INDUCTOR-SMD;3.9uH,5%,3225	1	S.A
....4	T0052	2703-002722	INDUCTOR-SMD;22uH,20%,12x12mm	1	S.A
....4	T0052	2703-002722	INDUCTOR-SMD;22uH,20%,12x12mm	1	S.A
....4	T0052	2703-002915	INDUCTOR-SMD;22uH,20%,8080	1	S.A
....4	T0052	2703-002915	INDUCTOR-SMD;22uH,20%,8080	1	S.A
....4	T0052	2703-002915	INDUCTOR-SMD;22uH,20%,8080	1	S.A
....4	T0052	2703-002915	INDUCTOR-SMD;22uH,20%,8080	1	S.A
....4	X3002	2801-003326	CRYSTAL-SMD;24MHZ,30PPM,28-ABX,20PF,50OH	1	S.A
....4	X3001	2801-003923	CRYSTAL-SMD;10MHz,30ppm,28-AAN,20pF,60oh	1	S.A
....4	X1001	2801-003954	CRYSTAL-SMD;27MHz,30ppm,28-AAN,16pF,50oh	1	S.A
....4	X6000_FRC	2801-004004	CRYSTAL-SMD;20.25MHz,20ppm,28-AAN,13pF,2	1	S.A
....4	X4001	2801-004483	CRYSTAL-SMD;28.322MHz,30ppm,HC-49,20pF,5	1	S.A
....4	F103	2901-001114	FILTER-EMI SMD;25VDC,2.0ADC,-,100nF,3.2x	1	S.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A

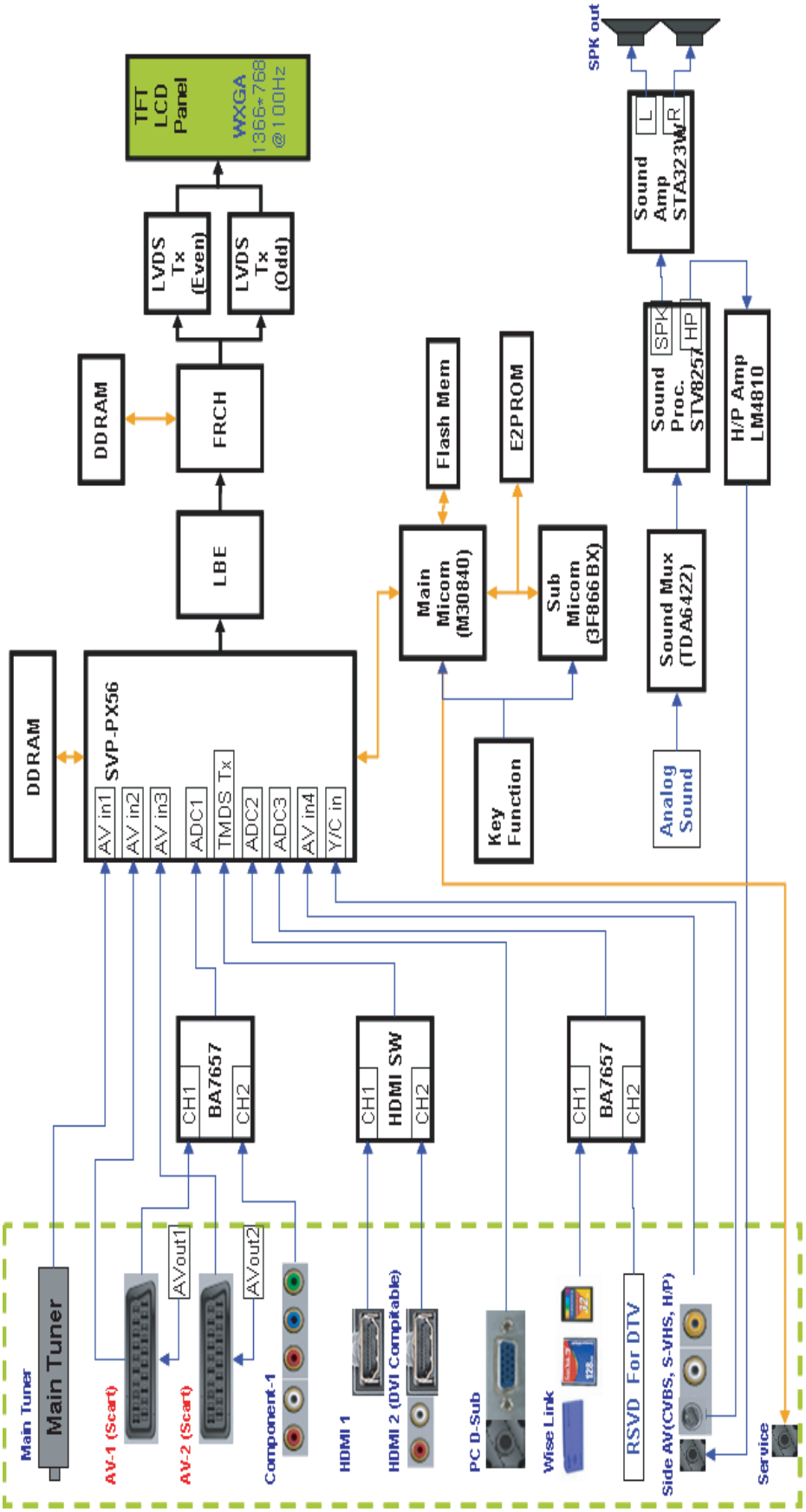
Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001176	BEAD-SMD;80ohm,2012,TP,-,-	1	S.N.A
....4	T0568	3301-001176	BEAD-SMD;80ohm,2012,TP,-,-	1	S.N.A
....4	T0568	3301-001176	BEAD-SMD;80ohm,2012,TP,-,-	1	S.N.A
....4	T0568	3301-001176	BEAD-SMD;80ohm,2012,TP,-,-	1	S.N.A
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A
....4	T0568	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	1	S.A
....4	T0568	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	1	S.A
....4	T0568	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	1	S.A
....4	T0568	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	1	S.A
....4	T0568	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	1	S.A
....4	T0568	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	1	S.A
....4	T0568	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	1	S.A
....4	T0568	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	1	S.A
....4	T0568	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	1	S.A
....4	T0568	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	1	S.A
....4	T0568	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	1	S.A
....4	T0568	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	1	S.A
....4	T0568	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	1	S.A
....4	T0568	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	1	S.A
....4	T0568	3301-001324	BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm	1	S.A
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,-,-	1	S.A
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,-,-	1	S.A
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,-,-	1	S.A
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,-,-	1	S.A
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,-,-	1	S.A
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,-,-	1	S.A
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,-,-	1	S.A
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,-,-	1	S.A
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,-,-	1	S.A
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,-,-	1	S.A
....4	T0568	3301-001569	BEAD-SMD;600ohm,2012,1000mA,TP,520ohm/90	1	S.N.A
....4	T0568	3301-001593	BEAD-SMD;200ohm,2.0x1.2x1.3mm,150mA,TP,,	1	S.N.A
....4	T0568	3301-001593	BEAD-SMD;200ohm,2.0x1.2x1.3mm,150mA,TP,,	1	S.N.A
....4	T0568	3301-001593	BEAD-SMD;200ohm,2.0x1.2x1.3mm,150mA,TP,,	1	S.N.A
....4	T0568	3301-001593	BEAD-SMD;200ohm,2.0x1.2x1.3mm,150mA,TP,,	1	S.N.A
....4	T0568	3301-001593	BEAD-SMD;200ohm,2.0x1.2x1.3mm,150mA,TP,,	1	S.N.A
....4	T0568	3301-001593	BEAD-SMD;200ohm,2.0x1.2x1.3mm,150mA,TP,,	1	S.N.A
....4	T0568	3301-001593	BEAD-SMD;200ohm,2.0x1.2x1.3mm,150mA,TP,,	1	S.N.A
....4	T0568	3301-001593	BEAD-SMD;200ohm,2.0x1.2x1.3mm,150mA,TP,,	1	S.N.A
....4	T0568	3301-001593	BEAD-SMD;200ohm,2.0x1.2x1.3mm,150mA,TP,,	1	S.N.A
....4	T0568	3301-001593	BEAD-SMD;200ohm,2.0x1.2x1.3mm,150mA,TP,,	1	S.N.A
....4	T0568	3301-001593	BEAD-SMD;200ohm,2.0x1.2x1.3mm,150mA,TP,,	1	S.N.A
....4	T0568	3301-001593	BEAD-SMD;200ohm,2.0x1.2x1.3mm,150mA,TP,,	1	S.N.A
....4	CN330	3711-005291	HEADER-BOARD TO CABLE;BOX,2P,1R,2MM,SMD-	1	S.A
....4	CN330	3711-005292	HEADER-BOARD TO CABLE;BOX,3P,1R,2MM,SMD-	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	CN330	3711-005497	HEADER-BOARD TO CABLE;BOX,15P,1R,1.25MM,	1	S.A
....4	M0018	BN97-00969A	ASSY MICOM;T-MSLMPEU-1000,Q56A,LE40M71,0	1	S.A
.....5	IC115	1107-001555	IC-FLASH MEMORY;49BV802A,8MBIT,1MX8/512K	1	S.N.A
....4	M0018	BN97-00969B	ASSY MICOM;T-MSLMPEUS-1000,Q56A,LE40M71,	1	S.N.A
.....5	IC520	0903-001389	IC-MICROCONTROLLER;S3F866B,8Bit,QFP,44P,	1	S.N.A
....4	R6195_FRC	2007-001153	R-CHIP;750ohm,1%,1/10W,TP,1608	1	S.A
....4	C5078	2402-001257	C-AL,SMD;470uF,20%,16V,-,TP,8.3*10	1	S.A
....4	CN2001	3701-001311	CONNECTOR-HDMI;21P,2R,FEMALE,SMD-S,AU30U	1	S.A
....4	CN2003	3701-001311	CONNECTOR-HDMI;21P,2R,FEMALE,SMD-S,AU30U	1	S.A
....4	T0077	BN41-00733C	PCB MAIN;MOSEL,FR-4,4,MMS2.1,1.6T,192*19	1	S.N.A
...3	T0890	BN96-04059A	ASSY FAN P;Two ball bearing,105.5x80.5x9	1	S.A
...3	T0066	BP62-00017A	HEAT SINK-ES;SP-50L2HX,A6063S,T2.0,26.2,	1	S.N.A
0.1	M0112	BN91-01061A	ASSY SHIELD;40M71,EO,MOSEL	1	S.N.A
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	1	S.A
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	6	S.A
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	5	S.A
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	4	S.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	2	S.N.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	9	S.N.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	2	S.N.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	2	S.N.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	1	S.N.A
..2	T0081	6006-000245	SCREW-MACHINE;WSP,PH,+,M4,L8,ZPC(YEL),SW	1	S.N.A
..2	T0076	BN39-00615D	CBF HARNESS;BORDEAUX,1617#22,3P,1P,RING,	1	S.A
..2	M2893	BN39-00716B	LEAD CONNECTOR;LE40R71BX/XEC,UL3239#24,2	1	S.A
..2	M2893	BN39-00717A	LEAD CONNECTOR;LE32R71BX/XEC,UL3443#28,5	1	S.A
..2	M2893	BN39-00725A	LEAD CONNECTOR;Mosel,UL2835#28,UL/CSA,16	1	S.A
..2	M2893	BN39-00727A	LEAD CONNECTOR-LVDS;Mosel,UL1571#30,UL/C	1	S.A
..2	M2893	BN39-00741A	LEAD CONNECTOR;LE40M71BX,UL1007#26,UL/CS	1	S.A
..2	M0174	BN44-00140A	IP BOARD;PSIV280601A,40" MOSEL,44mA,86m	1	S.A
..2	S.A	BN61-02256A	BRACKET-PANEL SIDE;BORDEAUX 40,SECC,T1.2	1	S.N.A
..2	S.A	BN61-02257A	BRACKET-PANEL SIDE;BORDEAUX 40,SECC,T1.2	1	S.N.A
..2	S.A	BN61-02414A	BRACKET-STAND LINK;MOSEL 40",SECC,T1.6	1	S.N.A
..2	T0447	BN96-03421A	ASSY BRACKET P-PANEL;40M7,EO,MOSEL	1	S.N.A
...3	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	1	S.A
...3	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	2	S.A
...3	M0146	BN61-02251A	BRACKET-PANEL TOP;Bordeaux 40,SECC,T1.2	1	S.N.A
...3	S.A	BN61-02252A	BRACKET-PANEL BOTTOM;Bordeaux 40,SECC,T1	1	S.N.A
...3	S.A	BN61-02253A	BRACKET-GUIDE MAIN;Bordeaux 40,SECC,T1.2	1	S.N.A
...3	S.A	BN61-02254A	BRACKET-GUIDE POWER;Bordeaux 40,SECC,T1.	1	S.N.A
...3	S.A	BN61-02255A	BRACKET-GUIDE POWER;Bordeaux 40,SECC,T1.	1	S.N.A
...3	T0101	BN61-02438A	BRACKET-WALL;MOSEL 40,SECC T1.6	1	S.N.A
...3	M0131	BN63-02549A	GASKET;LE37R72B,Conductive Fabric,26mm,1	3	S.N.A
...3	M0131	BN63-02712A	GASKET;LE40M71BX,Conductive Fabric,8mm,1	1	S.N.A
...3	T0069	AA60-00091J	SPACER-FELT;-,FELT,330X10,-,-,BLK,T0.5,-	1	S.N.A
...3	M0131	BN63-02628A	GASKET;Oxford,Conductive Fabric,8,12,300	1	S.N.A
...3	T0514	BN61-02778A	BRACKET-SUPPORT;40M7,SECC T1.2	1	S.N.A
..2	M0059	BN96-03431A	ASSY BOARD P-HOLDER AV;40M71,EO,CT5000-4	1	S.N.A
...3	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	2	S.A
...3	S.A	BN61-02411A	HOLDER-SIDE AV;MOSEL,40,HIPS,V0,-,-,-,BK	1	S.N.A
...3	T0578	BN64-00454A	INLAY AV;BORDEAUX,PS SHEET,T0.3,-,-,BLAC	1	S.N.A
...3	S.A	BN64-00484A	INLAY-MMS;MOSEL,40,PS SHEET,T0.3,-,-,-,-	1	S.N.A
...3	M0020	BN96-02439B	ASSY BOARD P-SIDE AV;LE40M71BX,CT5000-36	1	S.N.A
..2	M0114	BN61-02500A	HOLDER-WIRE;NYLON6.6,NATURAL	2	S.N.A
..2	M2893	BN39-00674A	LEAD CONNECTOR;LNR469DX/XAA,UL1007#26,5P	1	S.A
..2	M0114	BN61-01778A	HOLDER-WIRE;NYLON-66,NATURAL or GRAY,DAF	1	S.N.A
..2	M0081	6003-000133	SCREW-TAPTITE;BH,+,-,S,M4,L8,ZPC(BLK),SW	5	S.A
0.1	M0003	BN92-01755A	ASSY BOX;40M7,EO,MOSEL	1	S.N.A
..2	S.A	BN69-01369A	BOX-01,SET;40M7,DY-01,AB,YEL,A1,W1095,D7	1.02	S.N.A
0.1	M0113	BN92-01758A	ASSY P/MATERIAL;40M7,MOSEL	1	S.N.A
..2	T0376	6902-000061	BAG AIR;LDPE,T0.2,L1000,W500,TRP,,,	0.05	S.N.A
..2	T0376	6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,-,--	0.015	S.N.A
..2	T0524	6902-000524	BAG PE;HDPE/NITRON(DOUBLE),T0.015/T0.5(D	1	S.N.A
..2	T0081	6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	13.3	S.N.A
0.1	M0045	BN92-01793A	ASSY ACCESSORY;LE40M71BX/XEC	1	S.N.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
..2	M0045	BN96-03055M	ASSY ACCESSORY;LE40M71BX/XEC	1	S.N.A
...3	T0268	3903-000042	CBF-POWER CORD;DT,EU,FP3/YES,IEC320 C13/	1	S.A
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2	2	S.N.A
...3	ACCESSORY	AA68-03242E	MANUAL FLYER-01,SAFETY GUIDE;All Model,S	1	S.N.A
...3	ACCESSORY	AA68-03575A	MANUAL FLYER-01,REGISTRATION C;XEU,ENG,U	1	S.N.A
...3	ACCESSORY	AA68-03575B	MANUAL FLYER-010,REGISTRATION;XEG,GERMAN	1	S.N.A
...3	ACCESSORY	AA68-03575C	MANUAL FLYER-01,REGISTRATION C;XEF,FRENC	1	S.N.A
...3	ACCESSORY	AA68-03575D	MANUAL FLYER-02,REGISTRATION C;XEC,SPANI	1	S.N.A
...3	ACCESSORY	AA68-03575E	MANUAL FLYER-02,REGISTRATION C;XET,ITALY	1	S.N.A
...3	ACCESSORY	AA68-03575F	MANUAL FLYER-01,REGISTRATION C;XEN,DUTCH	1	S.N.A
...3	ACCESSORY	AA68-03575G	MANUAL FLYER-01,REGISTRATION C;XEP,PORTU	1	S.N.A
...3	T0074	BN59-00530A	REMOCON;Mosel,TM87A,SAMSUNG,55key,38mArm	1	S.A
...3	ACCESSORY	BN63-01798A	CLOTH-CLEAN;RE40**,CLOTH,310,320,RHCM	1	S.N.A
...3	T0531	BN63-02491A	COVER-BOTTOM;MOSEL 40",HIPS,HB	1	S.N.A
...3	T0059	BN68-00895A	MANUAL FLYER-CARD;RHCM,SAMSUNG,MATT FINI	1	S.N.A
...3	T0059	BN68-00907A	MANUAL FLYER-CARD;COMM,SAMSUNG,18 LANG,E	1	S.N.A
...3	M0284	BN68-01047B	MANUAL USERS-02;COMM,SAMSUNG,7Langs,W.Eu	1	S.N.A
...3	ACCESSORY	BN69-01052A	BOX ACCESSORY-00;ALL,CB-SW1,YEL,W603,D67	1	S.N.A
...3	T0238	BN68-00514C	MANUAL FLYER-WARRANTY CARD;comm,Samsung,	1	S.N.A
0.1	M0019	BN92-01850V	ASSY LABEL;LE40M71BX/*	1	S.N.A
0.1	T0852	BN91-01058U	ASSY LCD-SPZ;LE40M71BX/*	1	S.N.A
..2	M0215	BN07-00271A	LCD-PANEL;LTA400WH-LH1,10bit/120Hz,952*5	1	S.A

7 Block Diagram

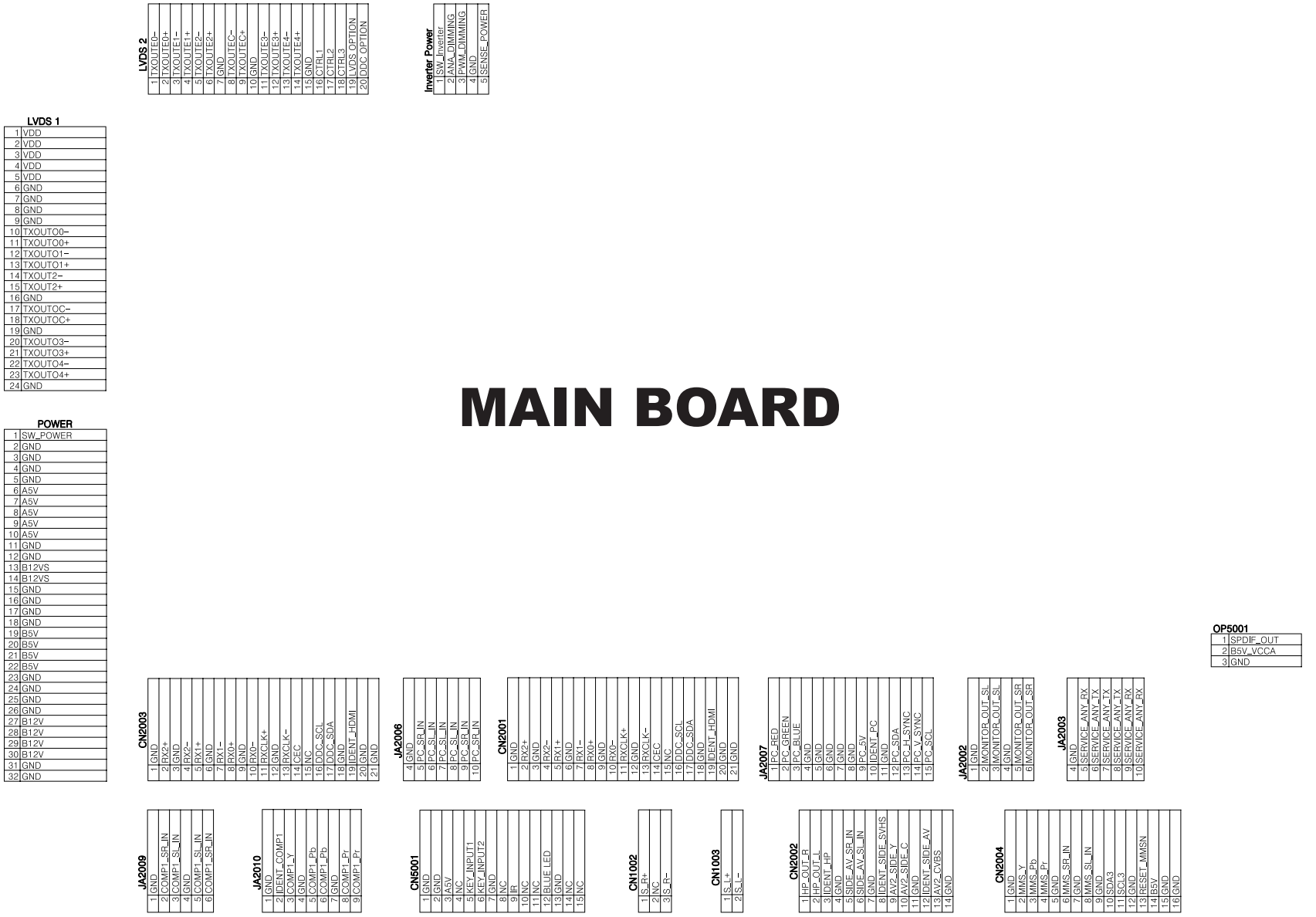
- This Document can not be used without Samsung's authorization



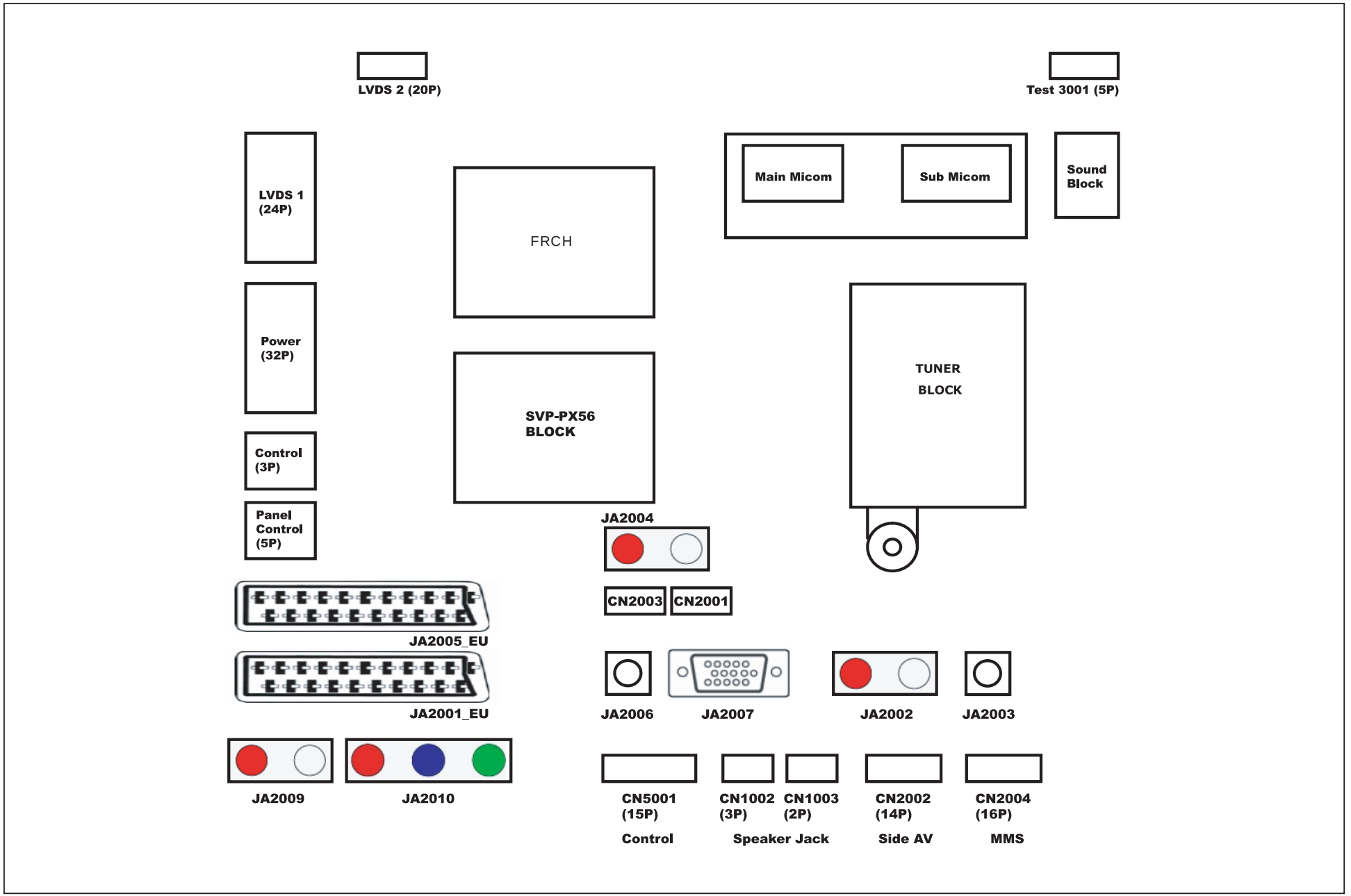
Memo

8 Wiring Diagram

8-1 Wiring Diagram



8-2 Main Board Layout



8-3 PIN characteristic

CN800 - Main Board power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NAME	SW POWER	GND	GND	GND	GND	A5V	A5V	A5V	A5V	A5V	GND	GND	B12VS	B12VS	GND	GND

PIN	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
NAME	GND	GND	B5V	B5V	B5V	B5V	GND	GND	GND	GND	B12V	B12V	B12V	B12V	GND	GND

Function Define

- B12V B12V_CHN, B9V, B8V, B5V_VCCT
- B5V B33V, B5V_VCCA, B3.3VD, B2.5V_VDD, B1.8VD, PX_VD1.8, PX_VA1.8, PX_VL1.8, B1.2VD
- B12VS B12VS
- A5V A5V_1, A3.3V

CN600 / CN601 - SPEAKER CONNECTOR

PIN	1	2	3
NAME	R+	NC	R-

PIN	1	2
NAME	L+	L-

CN221 - Front control

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NAME	SDA-T	SCL-T	GND	KEY INPUT1	LED	GND	A5V	GND	IR	KEY INPUT1	KEY INPUT2	GND	IDENT HP	HP-L	HP-R

Function Define

- A5V Front control board poewr supply
- KEY INPUT1,2 Key control, from the memu, change up/down Etc.
- IR Remote control signal
- LED Control the timing and stand by LED color

CN501 - Panel control

PIN	1	2	3	4	5
NAME	SW_inverter	Ana_dimming	PWM_dimming	GND	Sense_Power

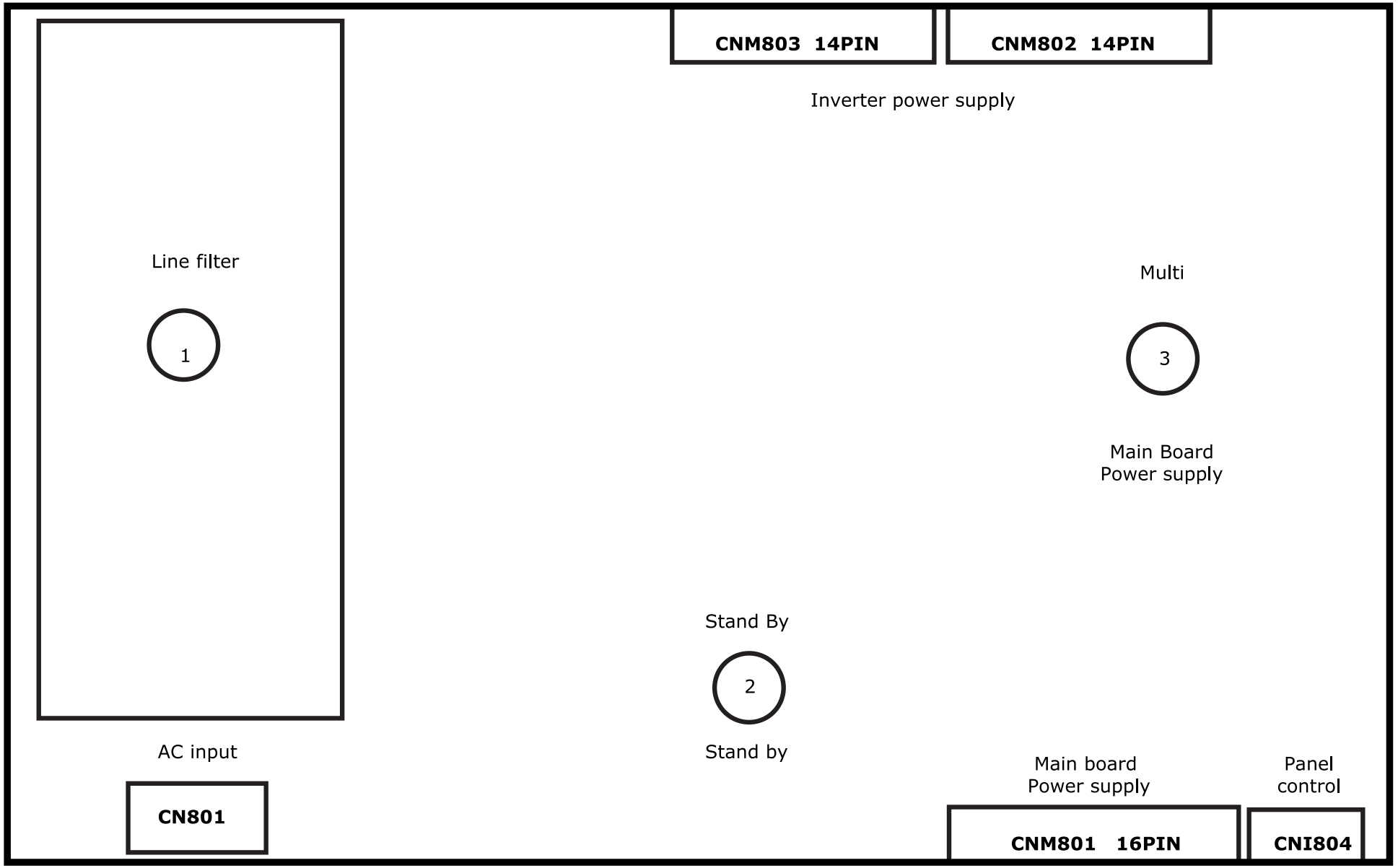
Function Define

- SW_inverter panel inverter control, about 3.3V
- Ana_dimming panel dimming control
- PWM_dimming panel PWM control, duty 40% ~ 90%

LVDS Signal

PIN	NAME	PIN	NAME
1	VDD	23	TXOUTO4+
2	VDD	24	GND
3	VDD	25	TXOUTE0-
4	VDD	26	TXOUTE0+
5	VDD	27	TXOUTO1-
6	GND	28	TXOUTO1+
7	GND	29	TXOUTO2-
8	GND	30	TXOUTO2+
9	GND	31	GND
10	TXOUTO0-	32	TXOUTOC-
11	TXOUTO0+	33	TXOUTOC+
12	TXOUTO1-	34	GND
13	TXOUTO1+	35	TXOUTO3-
14	TXOUTO2-	36	TXOUTO3+
15	TXOUTO2+	37	TXOUTO4-
16	GND	38	TXOUTO4+
17	TXOUTOC-	39	GND
18	TXOUTOC+	40	CTRL1
19	GND	41	CTRL2
20	TXOUTO3-	42	CTRL3
21	TXOUTO3+	43	LVDS OPTION
22	TXOUTO4-	44	DOC OPTION

8-4 Power Board Layout



CN801 - AC Input

PIN	I	2
NAME	Live	Netural
VOLTAGE	AC	AC

Functing Define
- Refer to : AC Input

CN801 - Main Board power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NAME	13V	GND	5.4V	5.4V	5.4V	GND	GND	GND	12V	12V	12V	GND	GND	GND	ST7V	PWR

Functing Define
- ST7V Stand-By Output
- PWR Power On/Off Control

- Refer to : CN801 function define

CNM804 - Panel control

PIN	1	2	3	4	5
NAME	SW_inverter	Ana_dimming	PWM_dimming	GND	SENSOR POWER

Functing Define
- Refer to : CN815 function define

CN802 - Inverter power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14
NAME	24V	24V	24V	24V	24V	GND	GND	GND	GND	GND	GND	B/L	A_D	P_D

Functing Define

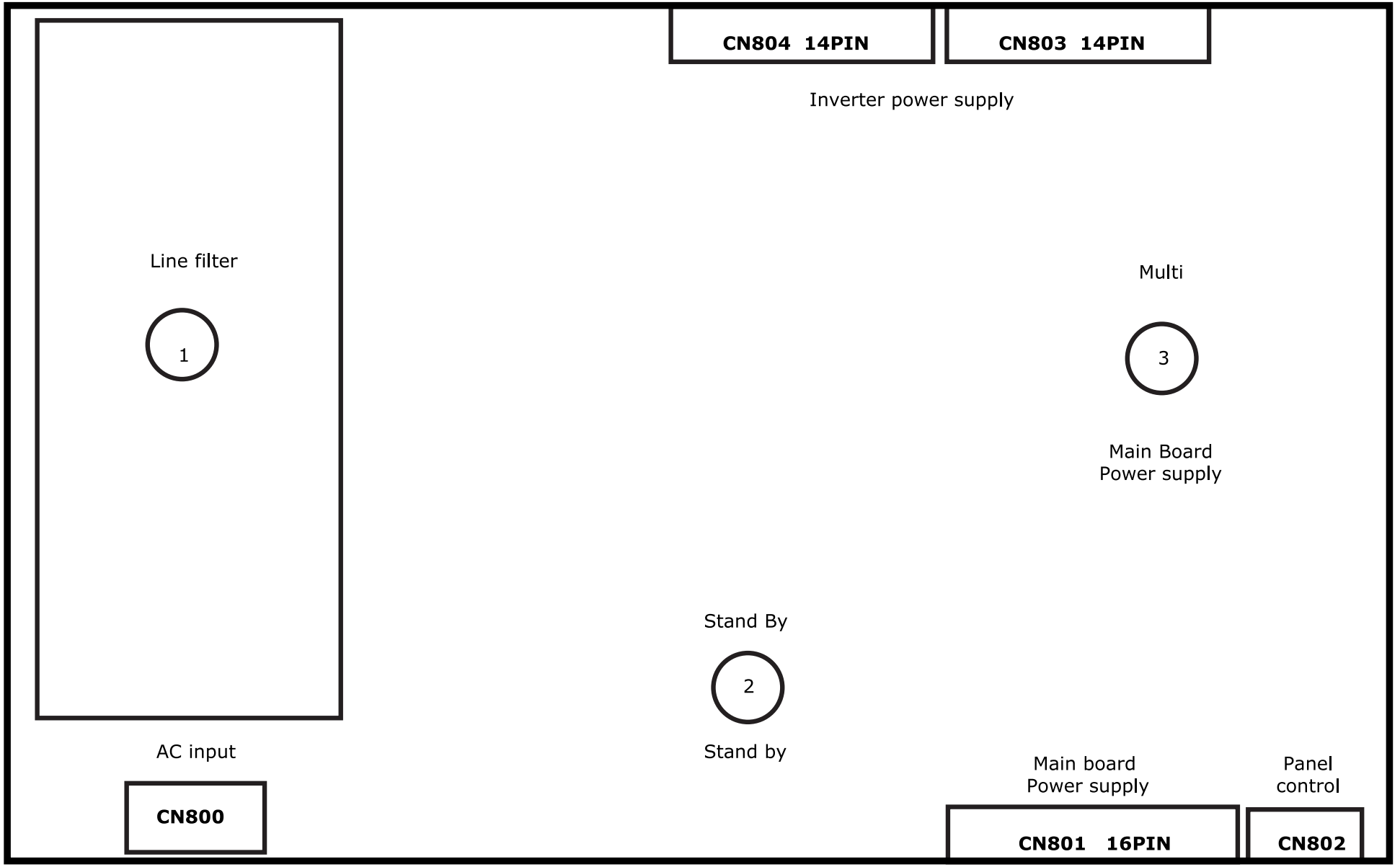
- AMLCD Panel Inverter Power
- 24V LAMP INVERTER Voltage
- B/L Brightness sensor power
- A_D ANA_DIMMING
- P_D PWM_DIMMING

CN803 - Inverter power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14
NAME	24V	24V	24V	24V	24V	GND	GND	GND	GND	GND	A_D	B/L	P_D	GND

Functing Define

- AUO Panel Inverter Power
- 24V LAMP INVERTER Voltage
- B/L Brightness sensor power
- A_D ANA_DIMMING
- P_D PWM_DIMMING


CN804 14PIN
CN803 14PIN
Inverter power supply
Line filter
1
Multi
3
Main Board
Power supply
Stand By
2
Stand by
AC input
CN800
Main board
Power supply
CN801 16PIN
Panel
control
CN802

CN801 - AC Input

PIN	I	2
NAME	Live	Netural
VOLTAGE	AC	AC

Functing Define
- Refer to : AC Input

CN801 - Main Board power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NAME	13V	GND	5.4V	5.4V	5.4V	GND	GND	GND	12V	12V	12V	GND	GND	GND	ST7V	PWR

Functing Define
- ST7V Stand-By Output
- PWR Power On/Off Control

- Refer to : CN801 function define

CNM804 - Panel control

PIN	1	2	3	4	5
NAME	SW_inverter	Ana_dimming	PWM_dimming	GND	SENSOR POWER

Functing Define
- Refer to : CN815 function define

CN803 - Inverter power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14
NAME	24V	24V	24V	24V	24V	GND	GND	GND	GND	GND	GND	B/L	A_D	P_D

Functing Define

- AMLCD Panel Inverter Power
- 24V LAMP INVERTER Voltage
- B/L Brightness sensor power
- A_D ANA_DIMMING
- P_D PWM_DIMMING

CN804 - Inverter power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14
NAME	24V	24V	24V	24V	24V	GND	GND	GND	GND	GND	B/D	P_L	GND	B/L

Functing Define

- CMO Panel Inverter Power
- 24V LAMP INVERTER Voltage
- B/L Brightness sensor power
- P_D PWM_DIMMING

Memo

9 Schematic Diagrams

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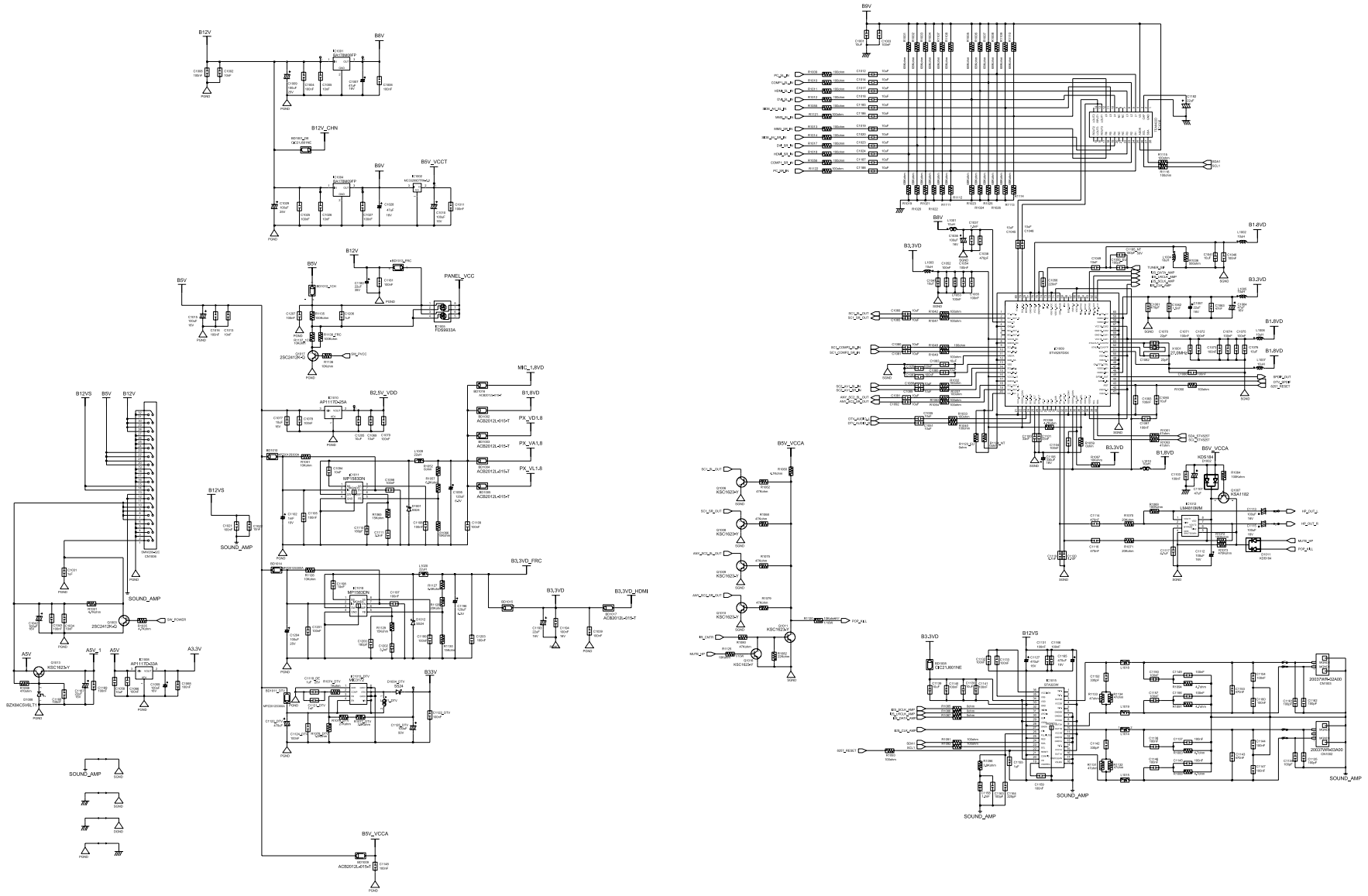
9-1 POWER SOUND PROCESS Schematic Diagram



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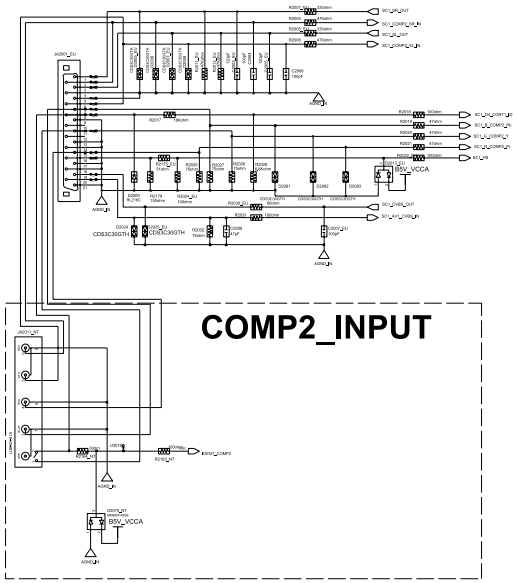
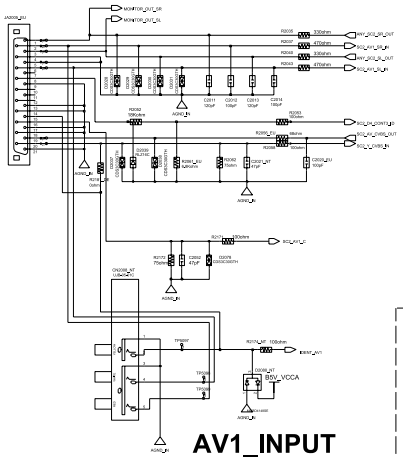
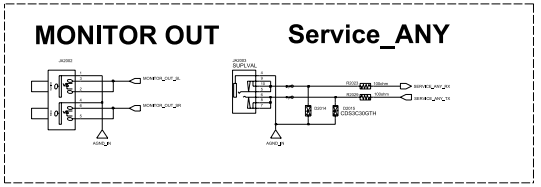
9-2 Input & Output Schematic Diagram

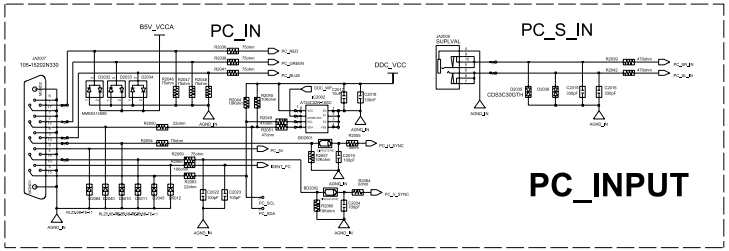
SCART1

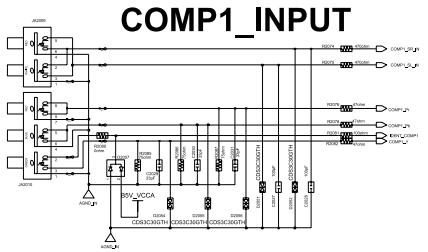


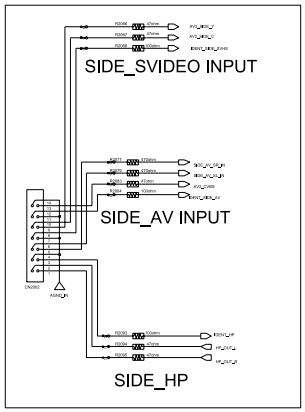
SCART2

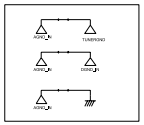












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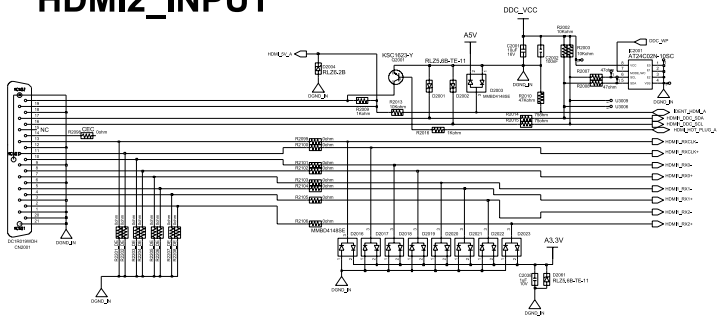
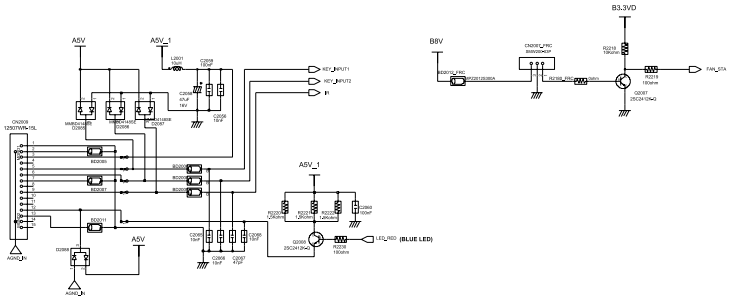
9-3 Input & Output Schematic Diagram

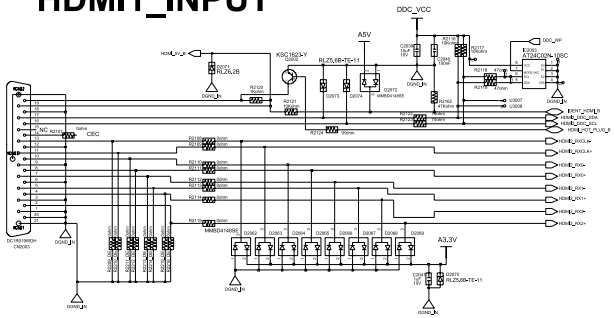
HDMI2_INPUT



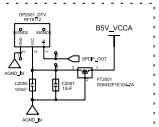
Function



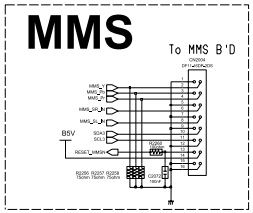
HDMI1_INPUT



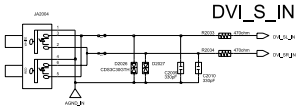
SPDIF OUT



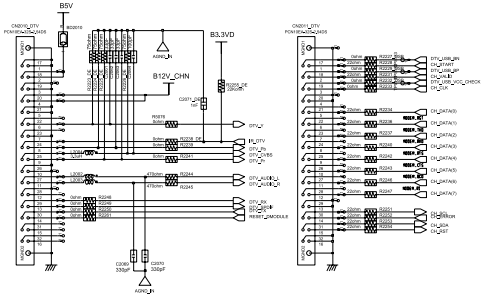
MMS



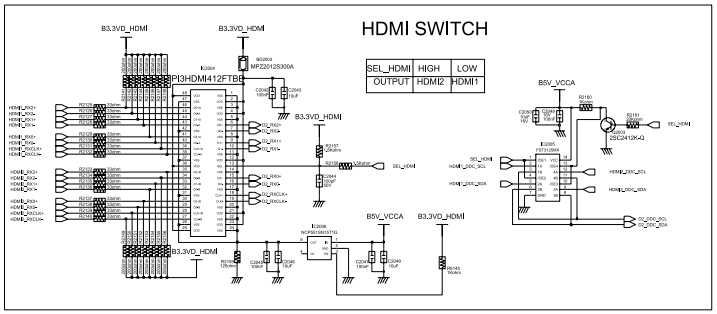
DVI_S_IN



DTV CONNECTION



HDMI SWITCH



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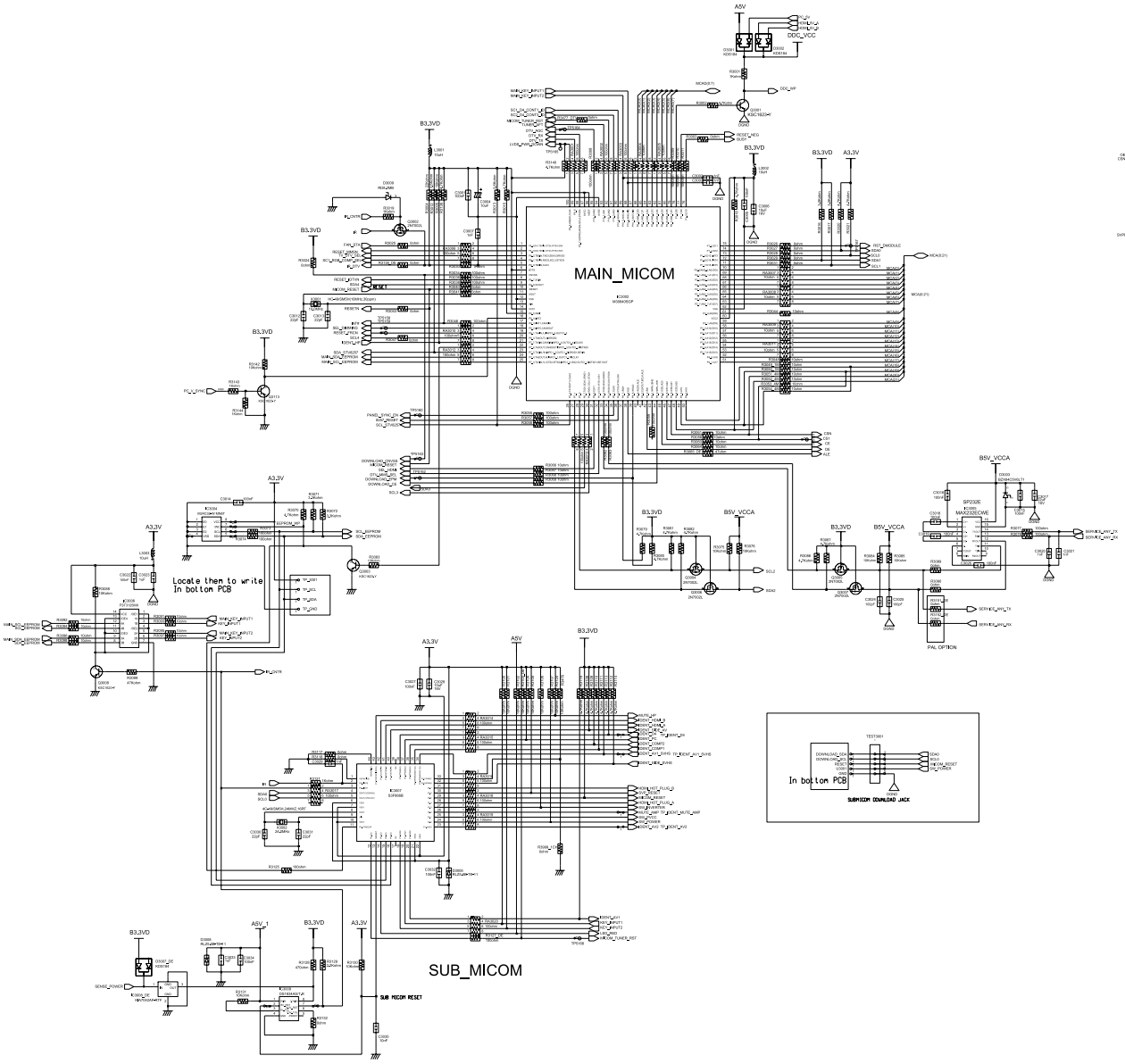
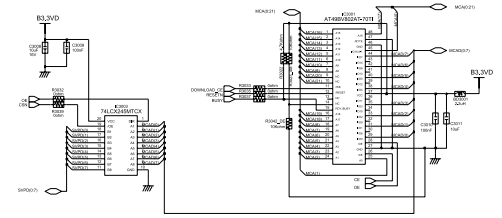
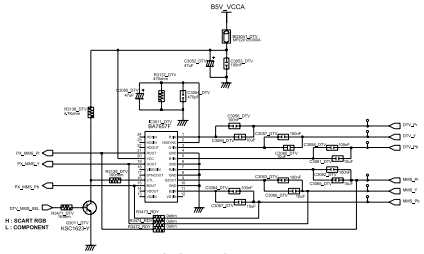
9-4 Micom Schematic Diagram



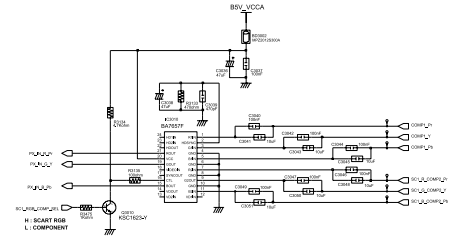


SOCKER SMT instead of FLASH !!!

SOCKET : 3704-001184



DTV-MMS SWITCH



Scart1 RGB-Component SWITCH

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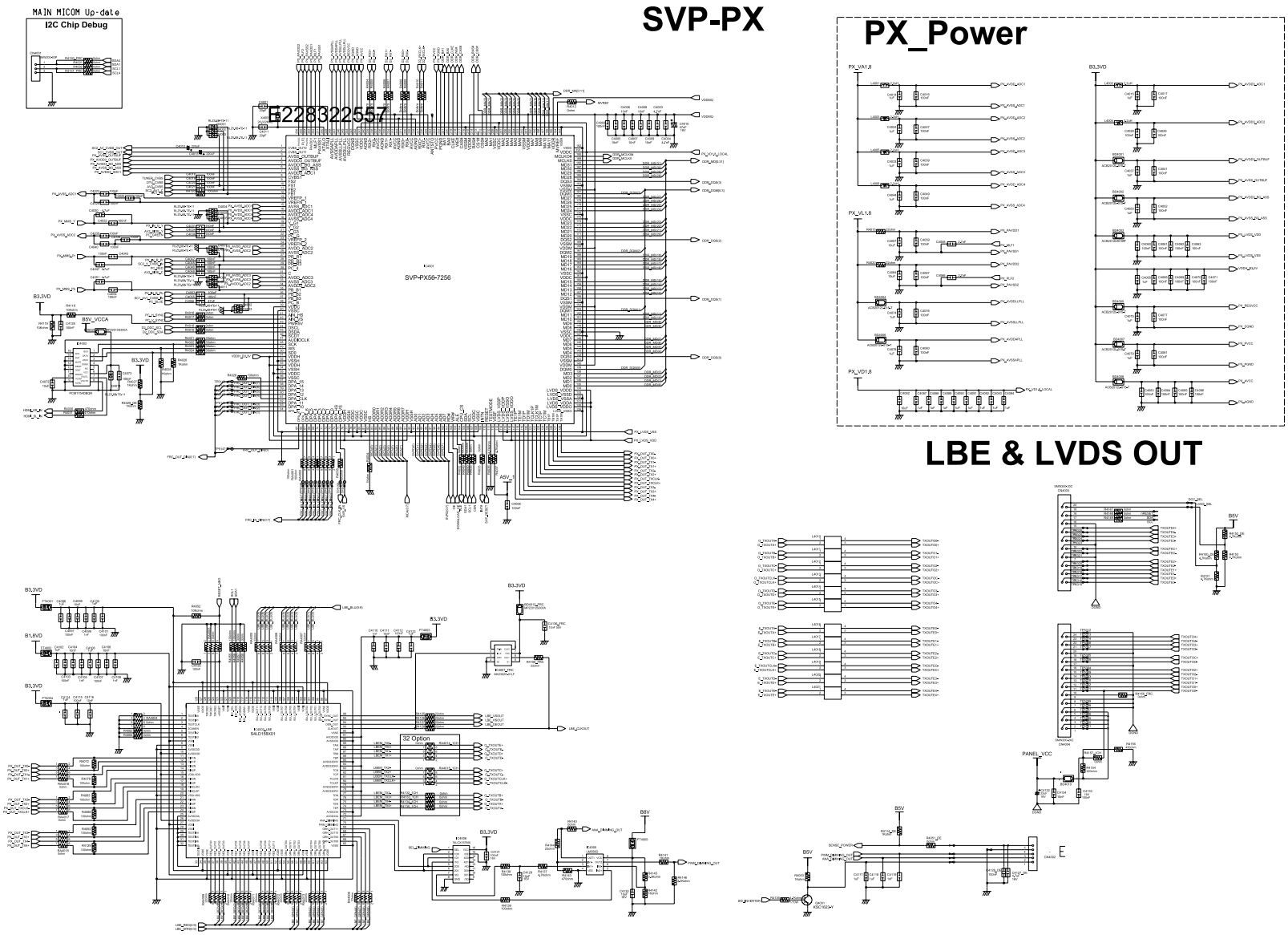
9-5 SVP-PX Schematic Diagram



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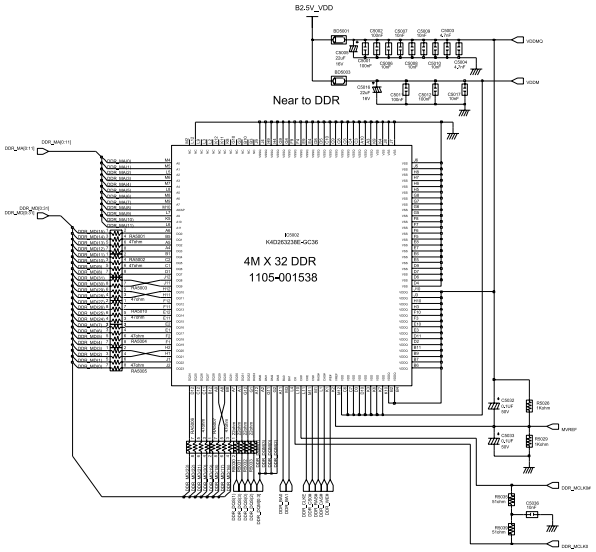
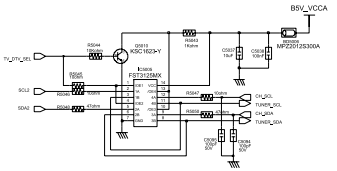
9-6 Application Schematic Diagram

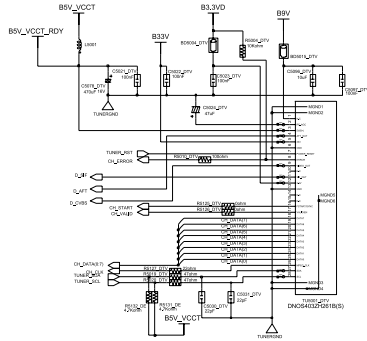
DDR



DTV_Tuner IIC

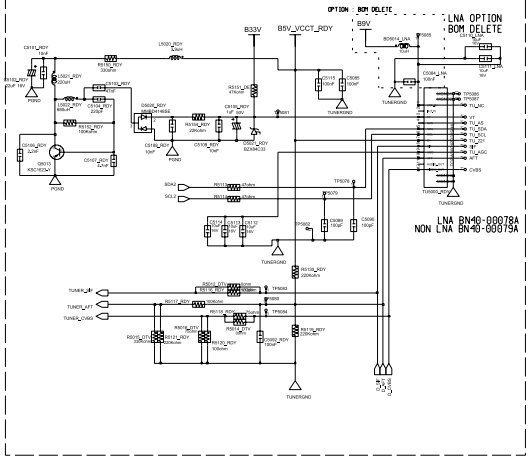


DTV_TUNER

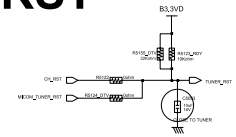


READY_TUNER

DELETE R103 for TUNER Address



Tuner RST



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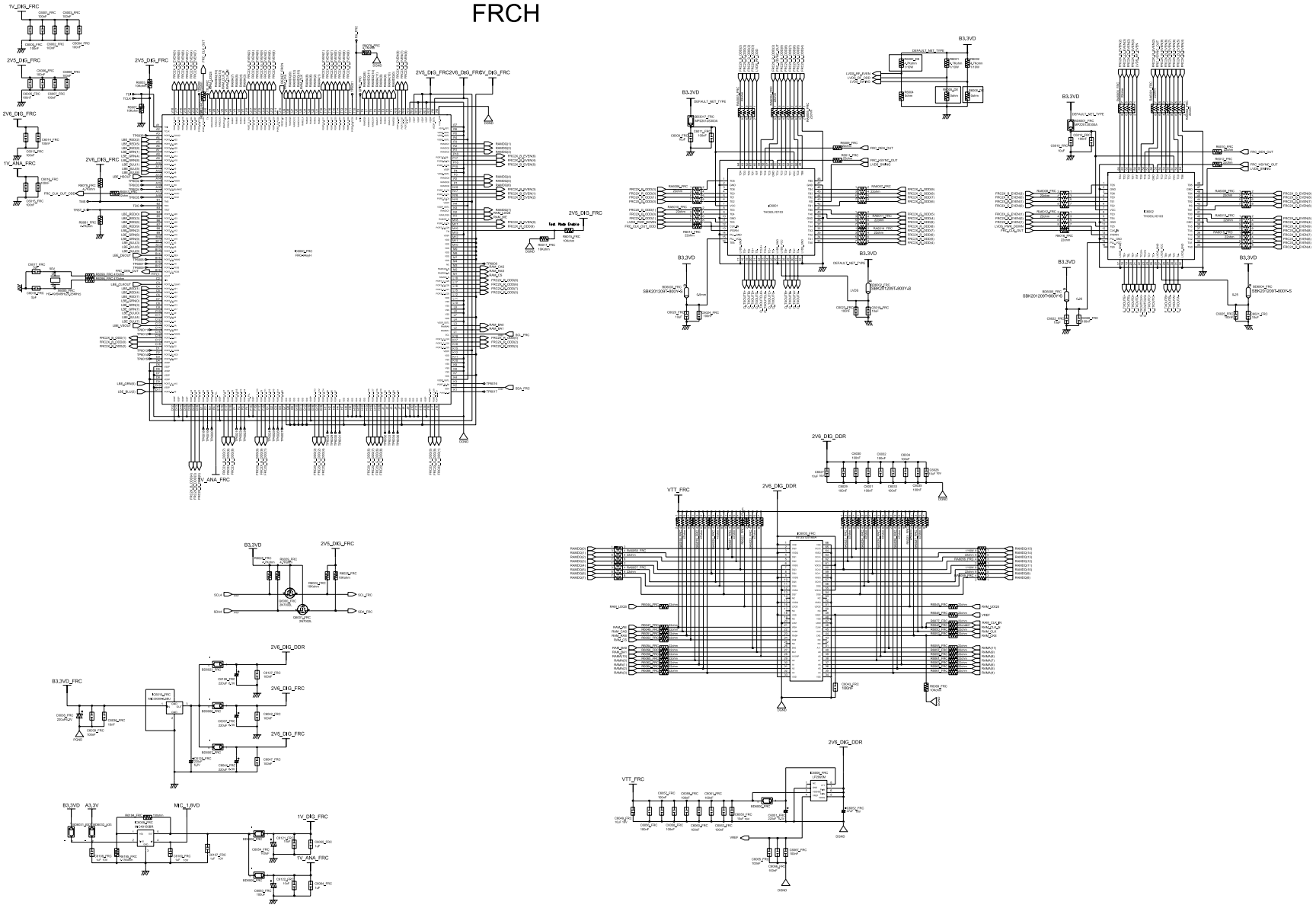
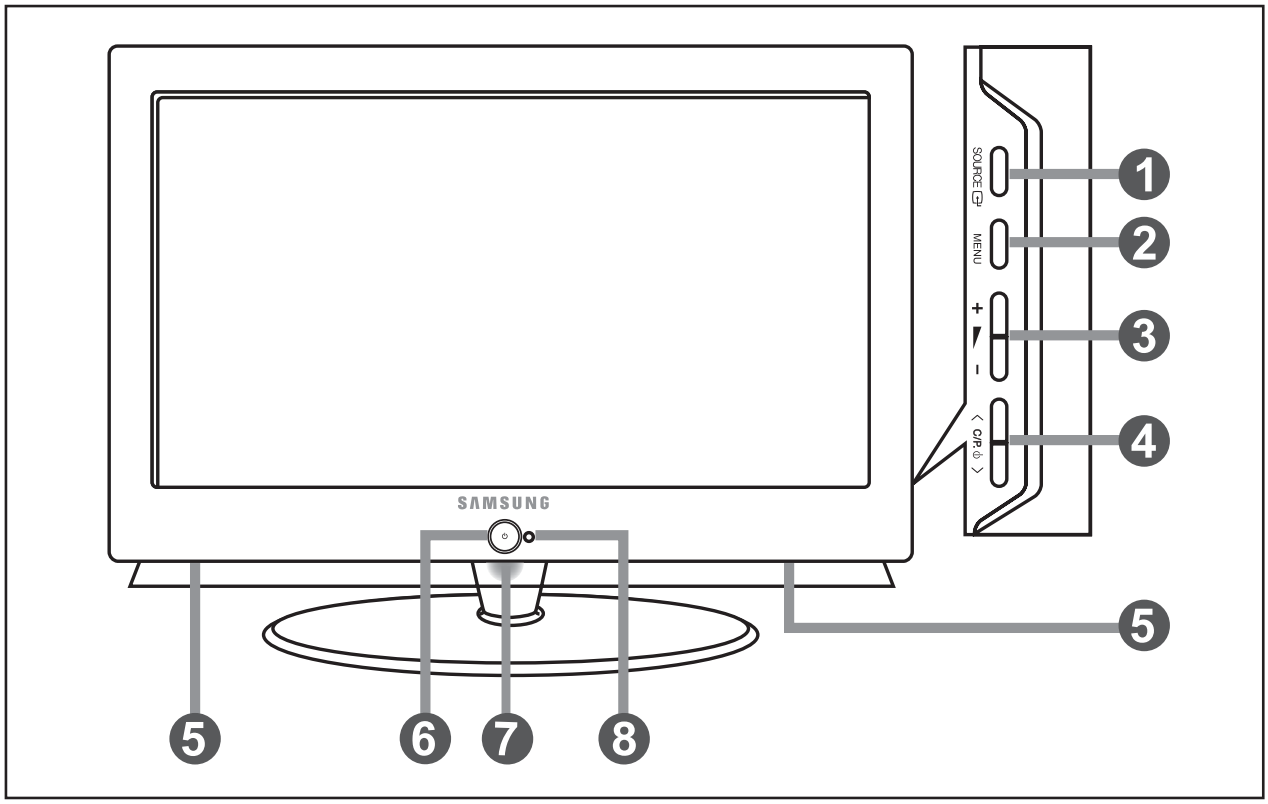
9-7 FRCH 100Hz LVDS Schematic Diagram



Memo

10 Operating Instructions and Installation

10-1 Front



- The product colour and shape may vary depending on the model.

1. SOURCE

Toggles between all the available input sources (TV, Ext.1 , Ext.2, AV, S-Video, Component, PC, HDMI1, HDMI2).

In the on-screen menu, use this button as you use the ENTER button on the remote control.

2. MENU

Press to see an on-screen menu of your TV's features.

3. + −

Press to decrease or increase the volume.

In the on-screen menu, use the + − buttons as you use the ◄ and ► buttons on the remote control.

4. 〈 C/P.⏻ 〉

Press to change channels.

In the on-screen menu, use the 〈 C/P.⏻ 〉 buttons as you use the ▼and ▲ buttons on the remote control. (Without the Remote Control, you can turn on the TV by using the Channel buttons.)

5. SPEAKERS

6. ⏻ (POWER)

Press to turn the TV on and off.

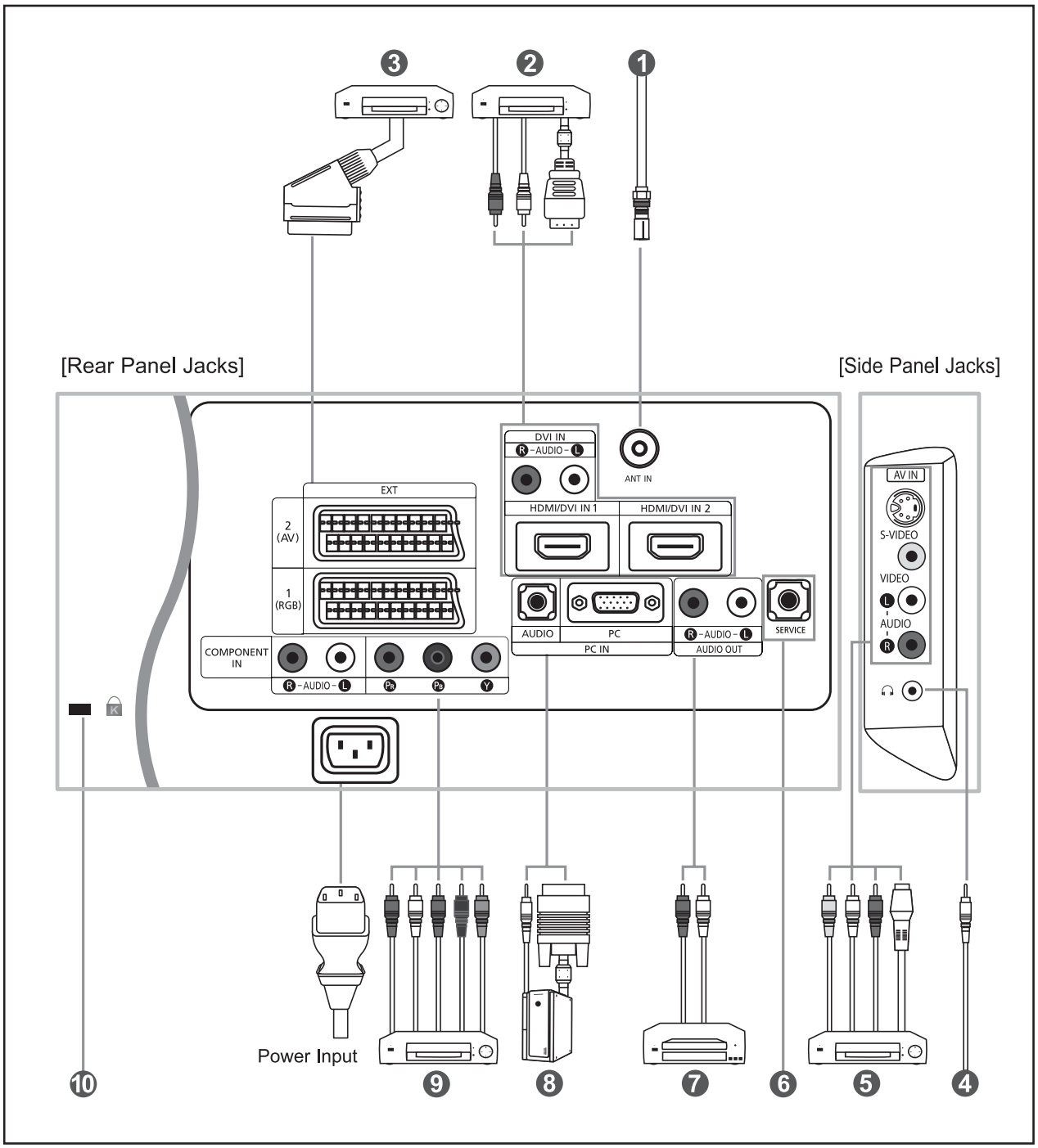
7. POWER INDICATOR

Blinks and turns off when the power is on and lights up in stand-by mode.

8. Rremote Control Sensor

Aim the remote control towards this spot on the TV.

10-2 Connection Panel



- Whenever you connect an external device to your TV, make sure that power on the unit is turned off.
- When connecting an external device, match the colour of the connection terminal to the cable.

1. Connecting an Aerial or Cable Television Network

To view television channels correctly, a signal must be received by the set from one of the following sources:
- An outdoor aerial / A cable television network / A satellite network

2. Connecting HDMI/DVI

- Supports connections between HDMI-connection-enabled AV devices (Set-Top Boxes, DVD players, AV receivers and digital TVs).
- No additional Audio connection is needed for an HDMI to HDMI connection.

▶ What is HDMI?
- "High Definition Multimedia interface" allows the transmission of high definition digital video data and multiple channels of digital audio (5.1 channels).
- The HDMI/DVI terminal supports DVI connection to an extended device with the appropriate cable (not supplied). The difference between HDMI and DVI is that the HDMI device is smaller in size, has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed, and supports multi - channel digital audio.

▶ You should use the DVI-to-HDMI cable or DVI-HDMI Adapter for the connection, and the "R - AUDIO - L" terminal on DVI for sound output.
- When connecting this product via HDMI or DVI to a Set Top Box, DVD Player or Games Console etc, make sure that it has been set to a compatible video output mode as shown in the table below. Failure to observe this may result in picture distortion, image breakup or no picture.

▶ Supported modes for DVI or HDMI

	480i	480p	576i	576p	720p	080i
50Hz	X	O	X	O	O	O
60Hz	X	O	X	X	O	O
Component	O	O	O	O	O	O

- Do not attempt to connect the HDMI/DVI connector to a PC or Laptop Graphics Card. (This will result in a blank screen being displayed)

3. Connecting Set-Top Box, VCR or DVD

- Connect the VCR or DVD SCART cable to the SCART connector of the VCR or DVD.
- If you wish to connect both the Set-Top Box and VCR (or DVD), you should connect the Set-Top Box to the VCR (or DVD) and connect the VCR (or DVD) to your set.

5. Connecting External A/V Devices

- Connect RCA or S-VIDEO cable to an appropriate external A/V device such as VCR, DVD or Camcorder.
- Connect RCA audio cables to "R - AUDIO - L" on the rear of your set and the other ends to corresponding audio out connectors on the A/V device.
- Headphone may be connected to the headphone output (**4**) on the rear of your set. While the headphone is connected, the sound from the built-in speakers will be disabled.

6. SERVICE

- Service connection for qualified service engineer.

7. Connecting AUDIO

- Connect RCA audio cables to "R - AUDIO - L" on the rear of your set and the other ends to corresponding audio in connectors on the Amplifier or DVD Home Theater.

8. Connecting Computer

- Connect the D- Sub cable (optional) to "PC (PC IN)" on the rear of your set and the other end to the Video Card of your computer.
- Connect the stereo audio cable (optional) to "AUDIO (PC IN)" on the rear of your set and the other end to "Audio Out" of the sound card on your computer.

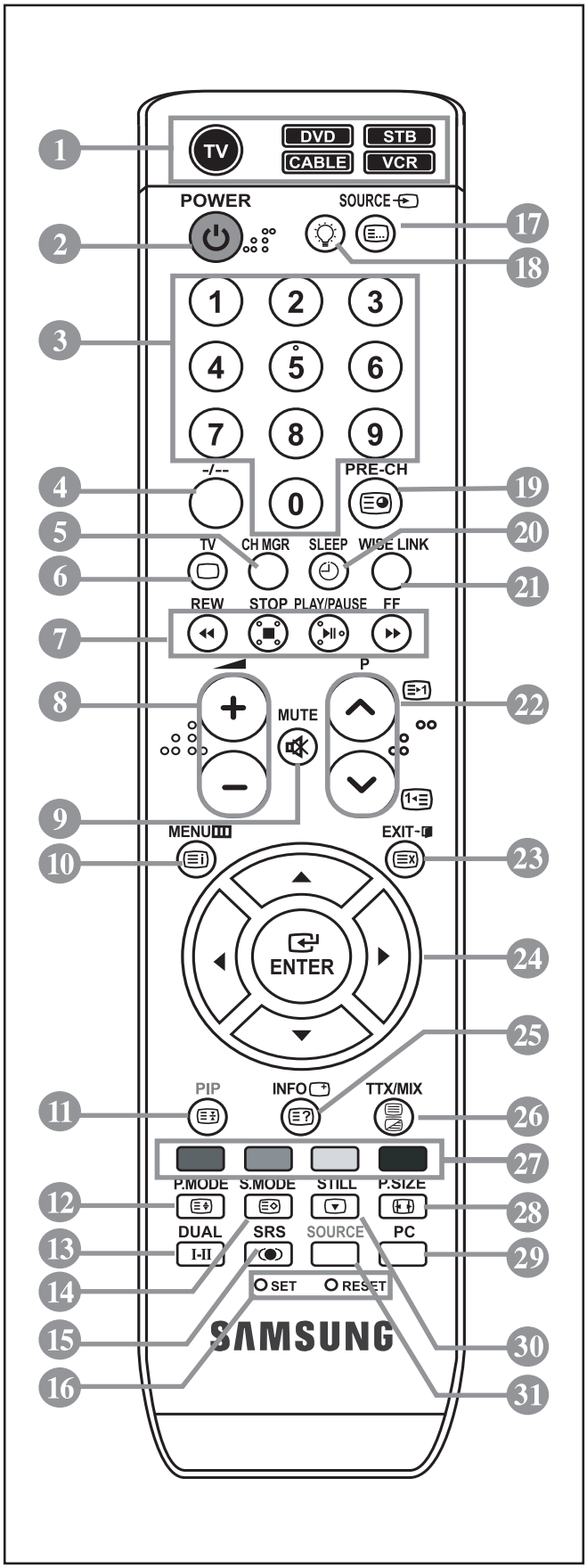
9. Connecting Component Devices (DTV/DVD)

- Connect component video cables (optional) to component connector ("PR", "PB", "Y") on the rear of your set and the other ends to corresponding component video out connectors on the DTV or DVD.
- If you wish to connect both the Set-Top Box and DTV (or DVD), you should connect the Set-Top Box to the DTV (or DVD) and connect the DTV (or DVD) to component connector ("PR", "PB", "Y") on your set.
- The PR, PB and Y connectors on your component devices (DTV or DVD) are sometimes labeled Y, B-Y and R-Y or Y, Cb and Cr.
- Connect RCA audio cables (optional) to "R - AUDIO - L" on the rear of your set and the other ends to corresponding audio out connectors on the DTV or DVD.
- This LCD TV displays its optimum picture resolution in 720p mode.
- This LCD TV displays its maximum picture resolution in 1 080i mode.

10. Kensington Lock

- The Kensington lock (optional) is a device used to physically fix the system when used in a public place.
- If you want to use a locking device, contact the dealer where you purchased the TV.
- The place of the Kensington Lock may be different depending on its model.

10-3 Remote Control



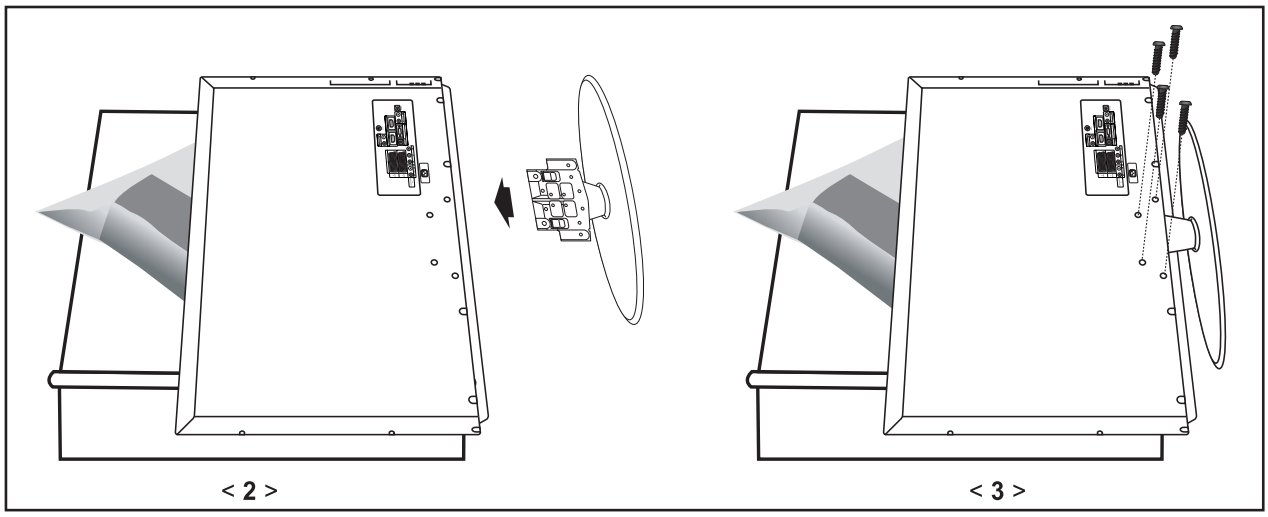
1. Selects a target device to be controlled by the Samsung remote control (TV, DVD, STB, CABLE, VCR)
2. Television Standby button
3. Number buttons for direct channel access
4. One/Two-digit channel selection
5. It display "Channel Manager" on the screen.
6. Selects the TV mode directly
7. VCR/DVD Functions
   Rewind, Stop, Play/Pause, Fast/Forward
8. ⊕ Volume increase
   ⊖ Volume decrease
9. Temporary sound switch-off
10. Menu display and change confirmation
11. Picture-In-Picture On / Off
12. Picture effect selection
13. Sound effect selection
14. Sound mode selection
15. SRS TSXT selection
16. SET : Adjusts 5 separate devices - TV, DVD, STB, CABLE, or VCR.
    RESET : When your remote does not work, change the batteries and press the "RESET" button for 2-3 seconds before use.
17. Available source selection
18. When pressing this button, a number of buttons on the remote control (e.g. Selects a target device, volume, channel and MUTE buttons) light up for a few seconds and then turn off to save power.
    This function is to conveniently use the remote control at night or when dark.
19. Previous channel
20. Automatic Power-off
21. This function enables you to load saved photo (JPEG) and audio files (MP3) and to view or play them on the TV.
22. P ⌃ : Next channel
    P ⌄ : Previous channel
23. Exit the OSD
24. Control the cursor in the menu
25. Use to see information on the current broadcast
28. Picture size selection
29. Selects the PC mode directly
30. Picture freeze
31. Input source selection

Ttеletext Functions

6. Exit from the teletext display
10. Teletext index
11. Teletext hold
12. Teletext size selection
14. Teletext store
17. Teletext mode selection (LIST/FLOF)
19. Teletext sub page
22. P : Teletext next page
    P : Teletext previous page
23. Teletext cancel
25. Teletext reveal
26. Alternately select Teletext, Double, or Mix.
27. Fastext topic selection

- The performance of the remote control may be affected by bright light.
- This is a special remote contro for the visually impaired, and has Braille points on the Power, Channel and Volume buttons.

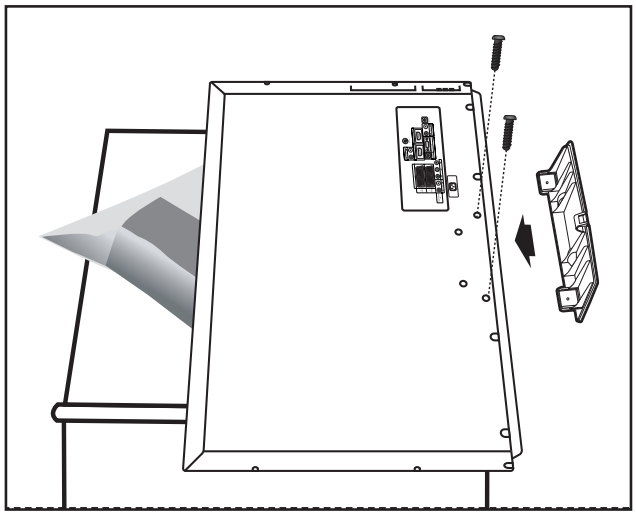
10-4 Installing the Stand



1. Place the TV faced down on a soft cloth or cushion on a table.
2. Put the stand into the hole at the bottom of the TV.
3. Insert screw into the hole indicated and tighten.

▶ The stand is installed for models with the screen size of 40 inch and above.

10-5 Installing the Wall Mount Kit



Wall mount items (sold separately) allow you to mount the TV on the wall.
For detailed information on installing the wall mount, see the instructions provided with the Wall Mount items. Contact a technician for assistance when installing the wall mounted bracket.
Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the TV on your own.

▶ Remove the stand and cover the bottom hole with a cap and fasten with two screws.

Memo

11 Disassembly and Reassembly

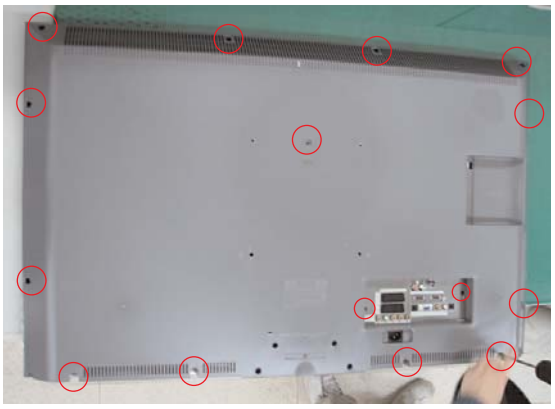
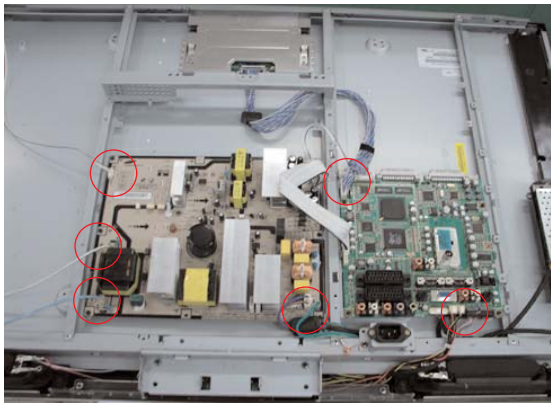
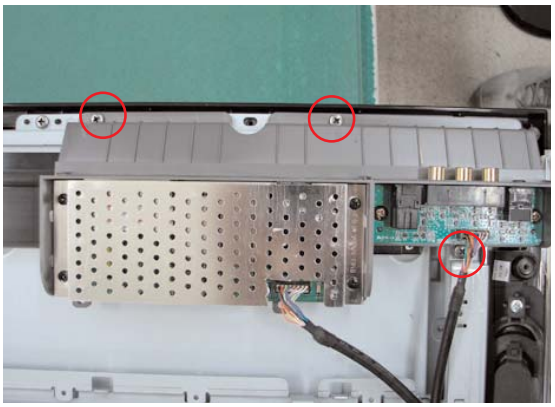
This section of the service manual describes the disassembly and reassembly procedures for the TFT-LCD TV.

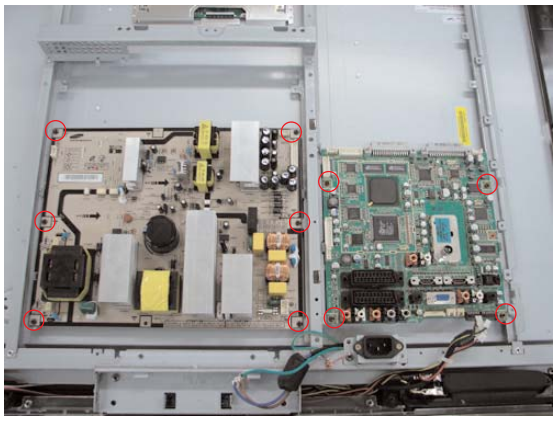
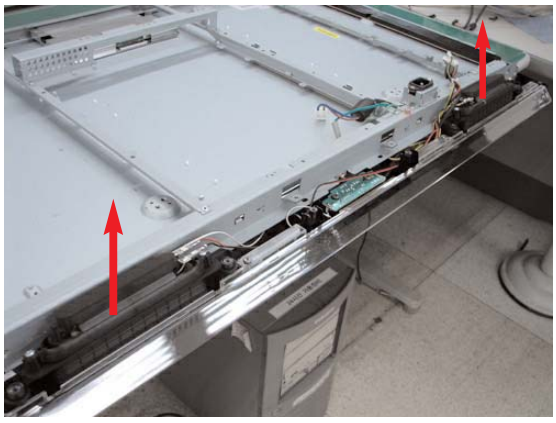
⚠ **WARNING : This monitor contains electrostatically sensitive devices. Use caution when handling these components.**

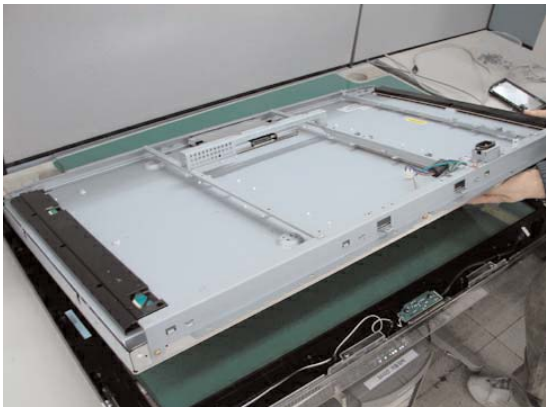
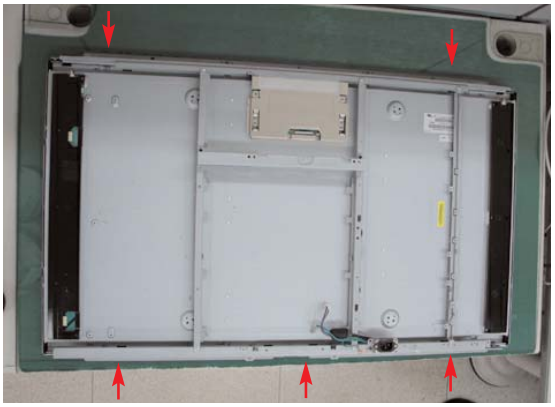
11-1 Disassembly

⚠ **Cautions : 1. Disconnect the monitor from the power source before disassembly.**
2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.

Description	Picture Description
1. Place monitor face down on cushioned table. Remove screws from the Stand. Remove stand.	

Description	Picture Description
2. Remove screws from the rear-cover and lift up the rear-cover.	
3. Disconnet cables from the main and power boards Remove screws from the side AV jack.	
	

Description	Picture Description
4. Remove screws from the boards and stand BRKT.	
5. Lift up the speakers. Remove screws from the BRKT.	

Description	Picture Description
6. Lift up the Panel and remove screws.	
	
7. Lift up the panel BRKT.	

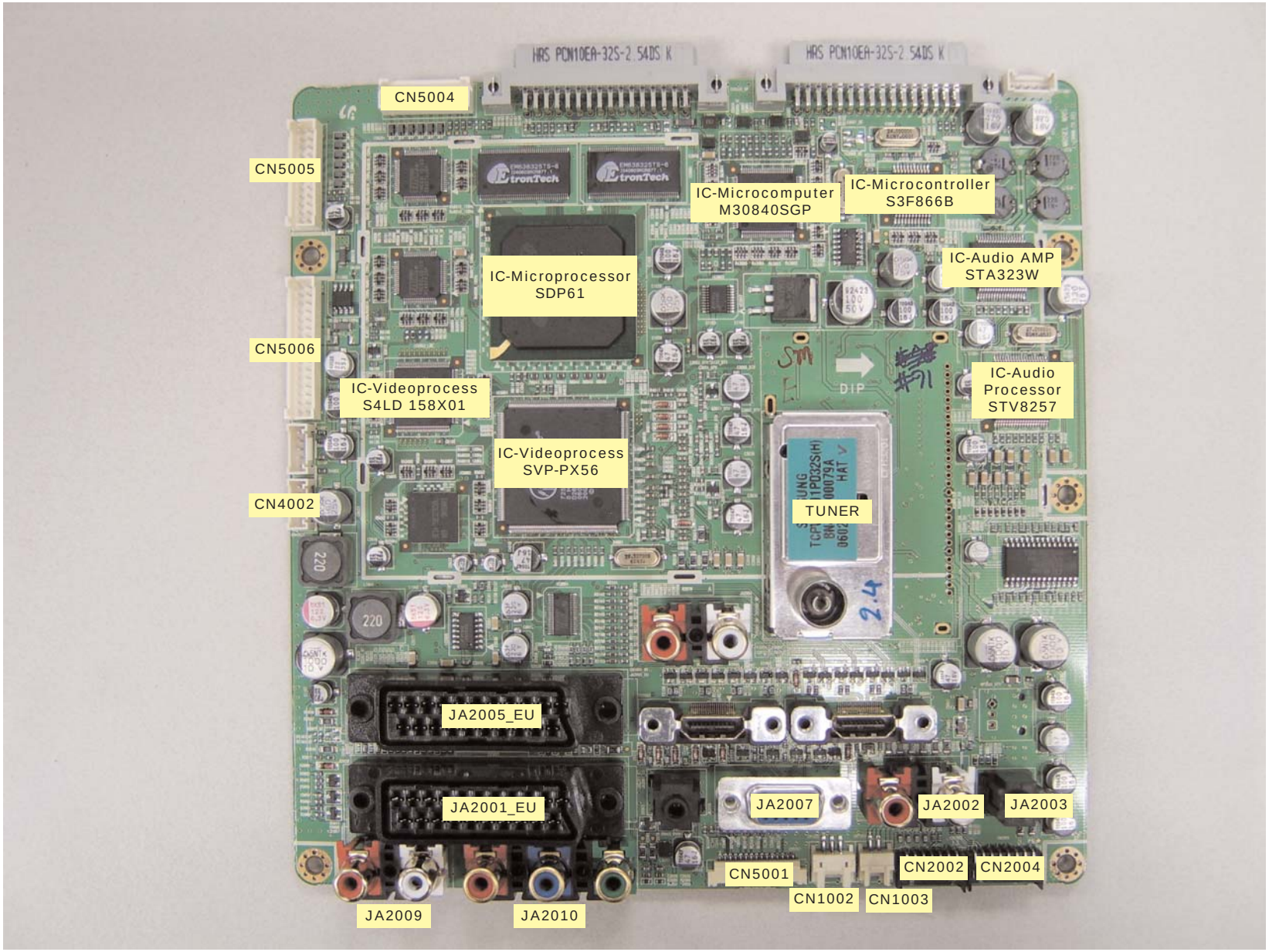
11-2 Reassembly

Reassembly procedures are in the reverse order of disassembly procedures.

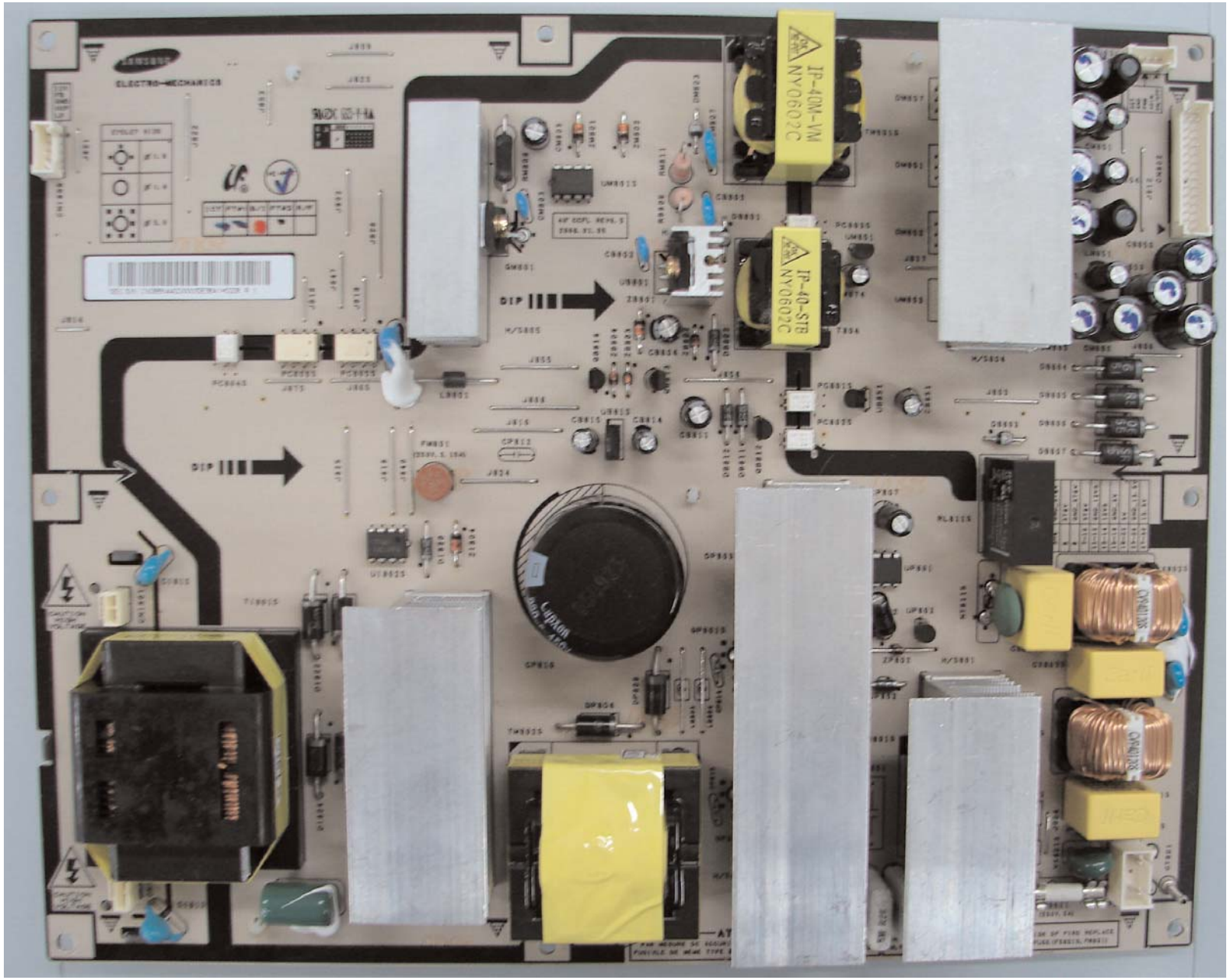
Memo

12 PCB Diagram

12-1 Main PCB Layout

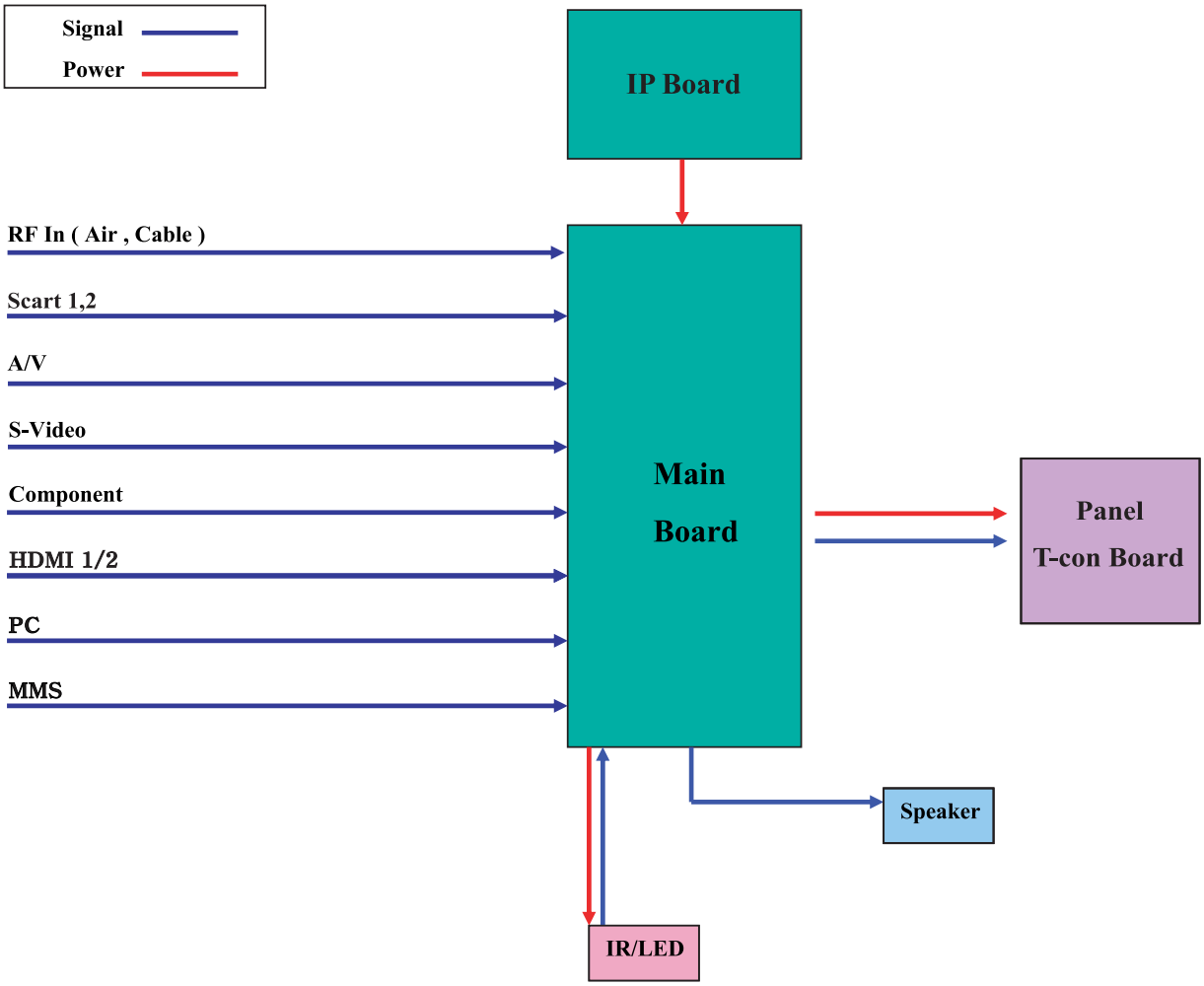


12-2 SMPS PCB Layout



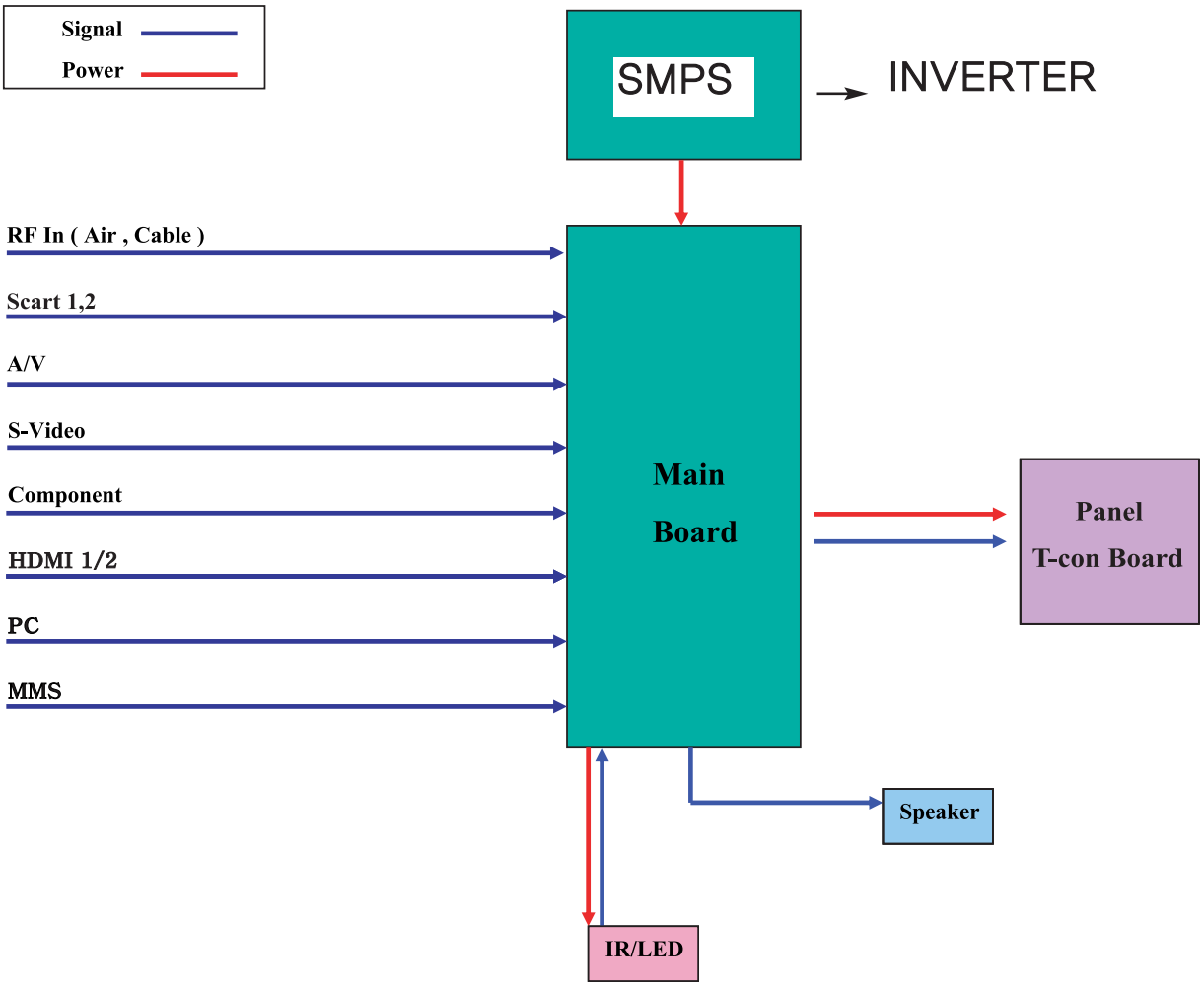
13 Circuit Descriptions

13-1 Block description



Mosel consists of three main blocks

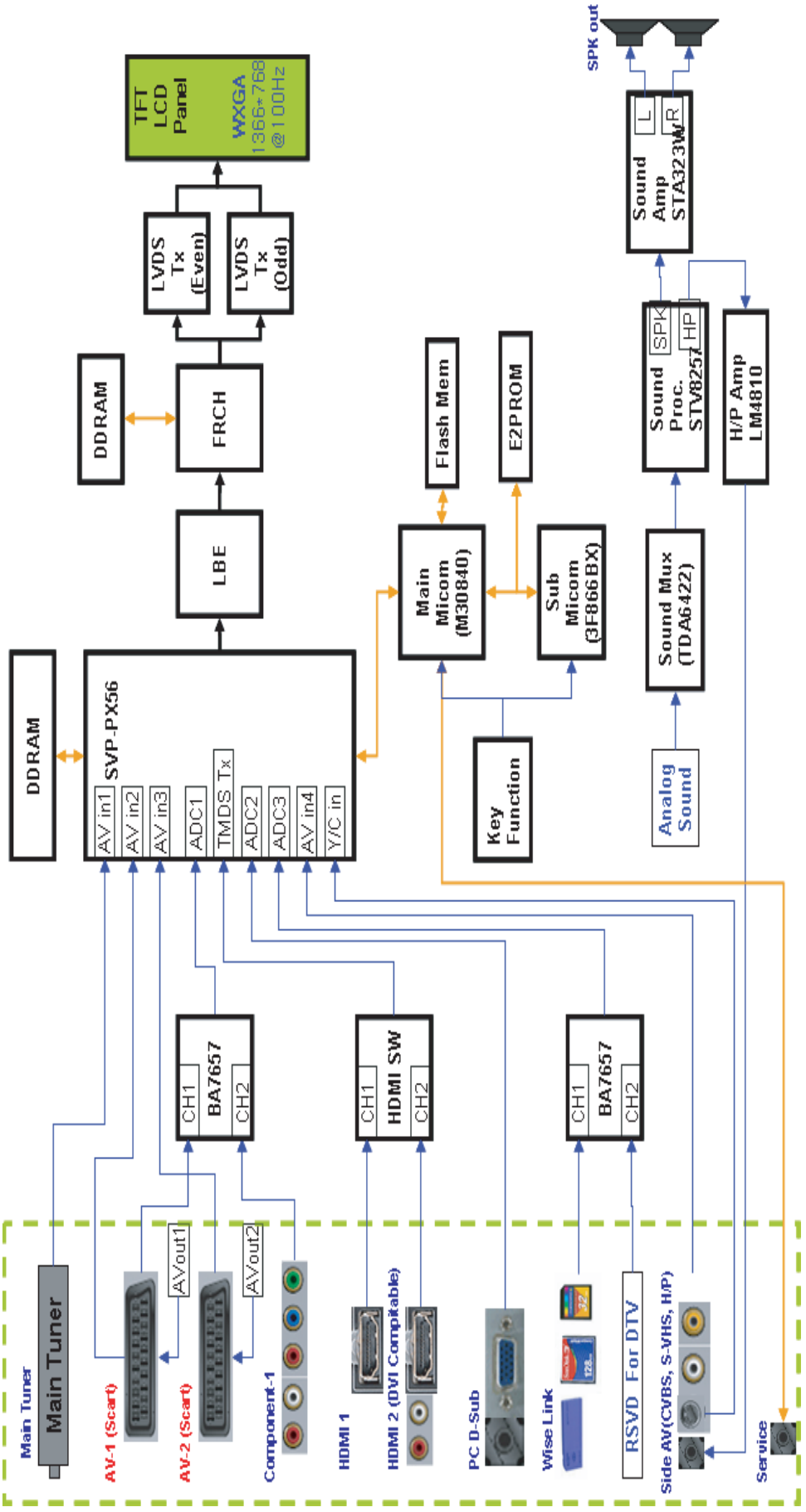
1. Main board : Video signal processing
2. IP board : Power supply & Inverter
3. T-con board : LCD Panel control



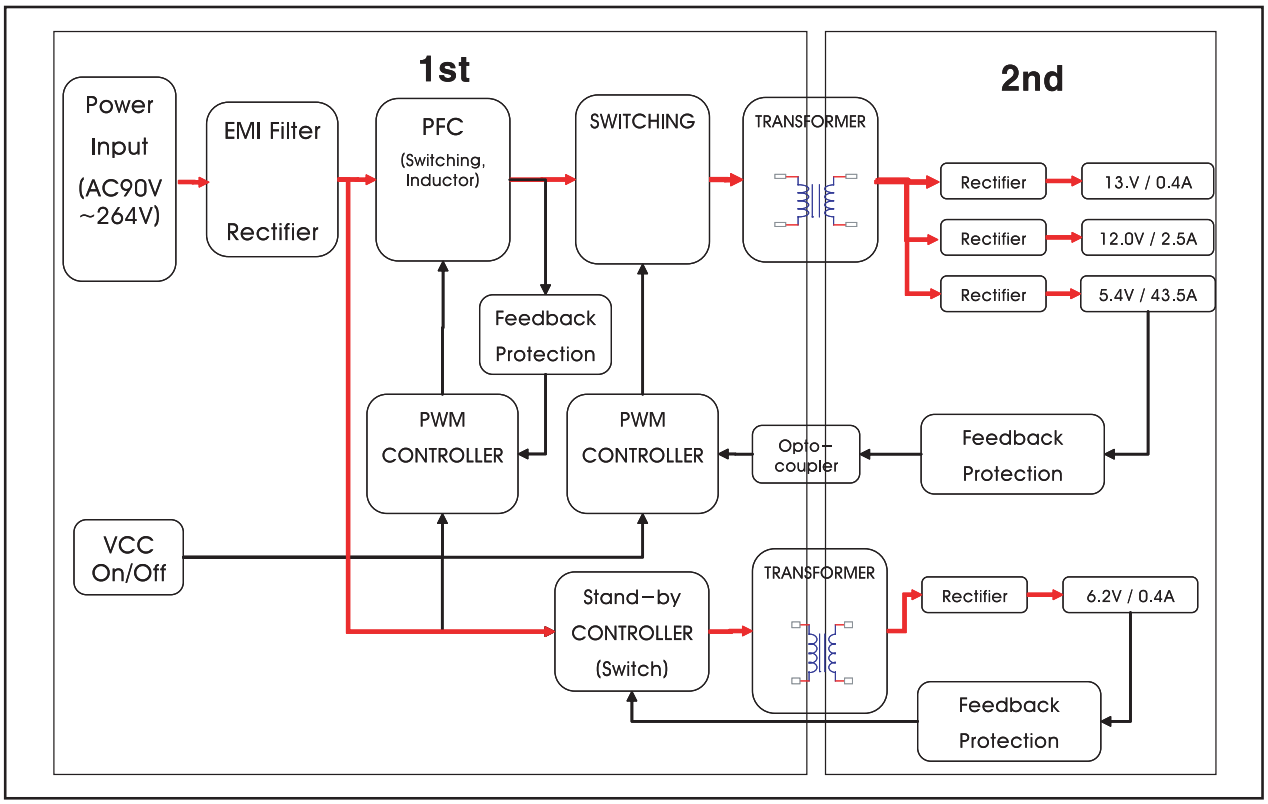
Mosel consists of three main blocks

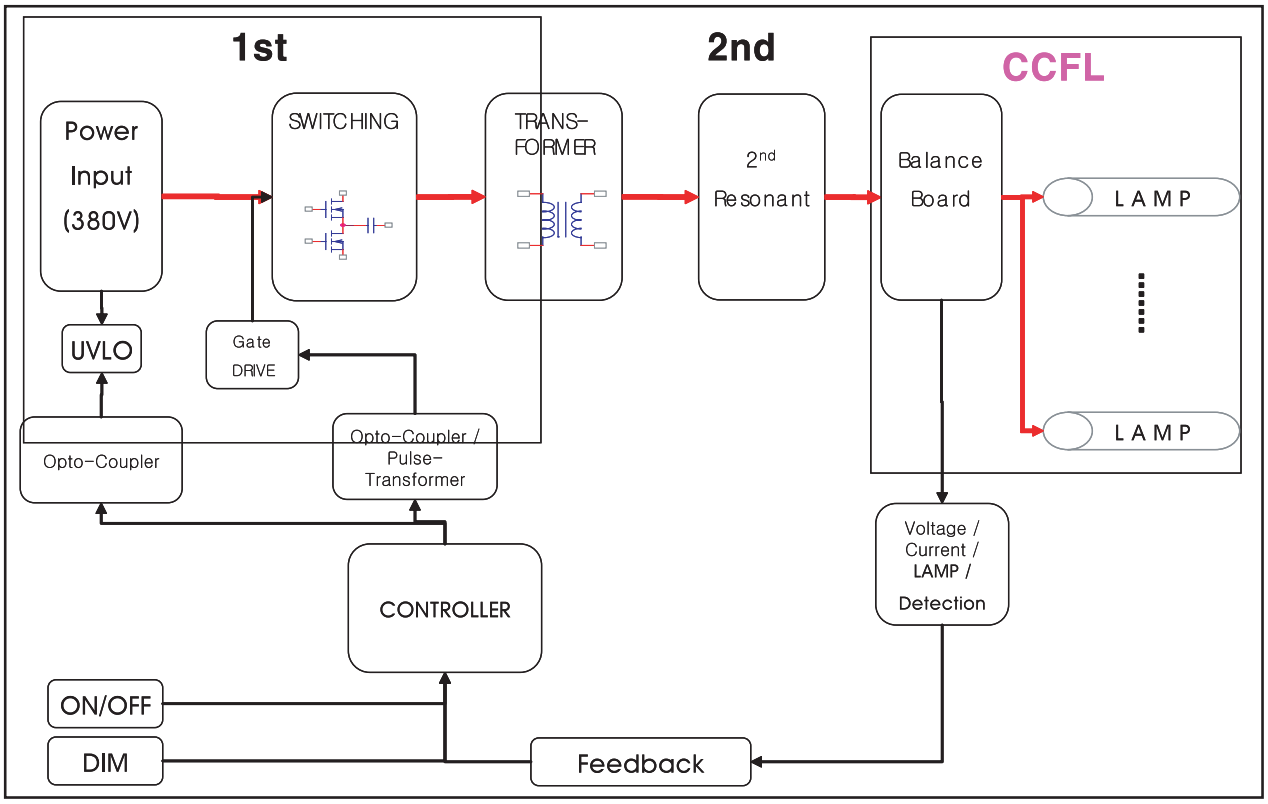
1. Main board : Video signal processing
2. SMPS : Power supply
3. T-con board : LCD Panel control

13-2 Main Block



13-3 IP Board


1st
2nd
Power Input (AC90V ~264V)
EMI Filter
Rectifier
PFC (Switching, Inductor)
SWITCHING
TRANSFORMER
Rectifier
13.V / 0.4A
Rectifier
12.0V / 2.5A
Rectifier
5.4V / 43.5A
Feedback Protection
PWM CONTROLLER
PWM CONTROLLER
Opto-coupler
Feedback Protection
VCC On/Off
Stand-by CONTROLLER (Switch)
TRANSFORMER
Rectifier
6.2V / 0.4A
Feedback Protection


1st
2nd
CCFL
Power Input (380V)
SWITCHING
TRANS-FORMER
2nd Resonant
Balance Board
LAMP
LAMP
UVLO
Gate DRIVE
Opto-Coupler
Opto-Coupler / Pulse-Transformer
Voltage / Current / LAMP / Detection
CONTROLLER
ON/OFF
DIM
Feedback

14 Reference Infomation

14-1 Technical Terms

- TFT-LCD
(Thin film Transistor Liquid Crystal Display)
ADC(Analog to Digital Converter)
This is a circuit that converts from analog signal to digital signals.

- PLL(Phase Locked Loop)
During progressing ADC, Device makes clock synchronizing HSYNC with Video clock

- Inverter
Device that supply Power to LCD panel lamp. this device gernerate about 1,500~2,000V.

- AC Adapter
Device that converts AC(90V~240V) to DC(+12V or 14V)

- SMPS(Switching Mode Power Supply)
Switching Mode Power supply. This design technology is used to step up/down the input power by switching on/off

- FRC(Frame Rate Controller)
Technology that change image frame quantity displayed on screen for one second.
Actually TFT-LCD panel require 60 pcs of frame for one second.
so,this technology is needed to convert input image to 60 pcs regardless input frame quantity.

- Image Scaler
Technology that convert various input resolution to other resolution.(ex. 640* 480 to 1024*768)

- Auto Configuration(Auto adjustment)
This is an algorithm to adjust monitor to optimum condition by pushing one key.

- OSD(On Screen Display)
On screen display. customer can control the screen easily with this.

- Image Lock
This means "Fineness adjustment" in LCD Monitor, the features are "Fine" and "Coarse"

- FINE
"Fine" adjustment is used to adjust visibility by control phase difference.

- COARSE
This is a adjustment by tuning with Video colck and PLL clock.

- DVI (Digital Visual Interface)
This provides a high speed digital connection for visual data types that is display technology independent. this interface is primarily forcused at providing a connection between a computer and its display device.

- L.V.D.S.(Low Voltage Differential Signaling)
a kind of transmission method for Digital.It can be used from Main PBA to Panel.

- DVI (Digital Visual Interface)
This provides a high speed digital connection for visual data types that is display technology independent. this interface is primarily forcused at providing a connection between a computer and its display device.

- T.M.D.S
(Transition minimized Differential Signaling)
a kind of transmission method for Digital.
It can be used from Video card to Main PBA.

- DDC(Display data channel)
It is a communication method between Host Computer and related equipment.
It can make it Plug and Play between PC and Monitor.

- EDID
Extended Display Identification Data PC can recognize the monitor information as Product data, Product name,Display mode,Serial number and Signal source,etc through DDC Line communicating with PC and Monitor.

- Dot Pitch
The image on a monitor is composed of red, green and blue dots. The closer the dots, the higher the resolution. The distance between two dots of the same color is called the 'Dot Pitch'. Unit: mm

- Vertical Frequency
The screen must be redrawn several times per second in order to create and display an image for the user. The frequency of this repetition per second is called Vertical Frequency or Refresh Rate. Unit: Hz
Example: If the same light repeats itself 60 times per second, this is regarded as 60 Hz.

- Horizontal Frequency
The time to scan one line connecting the right edge to the left edge of the screen horizontally is called Horizontal Cycle. The inverse number of the Horizontal Cycle is called Horizontal Frequency. Unit: kHz

- Interlace and Non-Interlace Methods
Showing the horizontal lines of the screen from the top to the bottom in order is called the Non-Interlace method while showing odd lines and then even lines in turn is called the Interlace method. The Non-Interlace method is used for the majority of monitors to ensure a clear image. The Interlace method is the same as that used in TVs.

- **Plug & Play**
This is a function that provides the best quality screen for the user by allowing the computer and the monitor to exchange information automatically. This monitor follows the international standard VESA DDC for the Plug & Play function.

- Resolution
The number of horizontal and vertical dots used to compose the screen image is called 'resolution'. This number shows the accuracy of the display. High resolution is good for performing multiple tasks as more image information can be shown on the screen.
Example: If the resolution is 1280 x 1024 , this means the screen is composed of 1280 horizontal dots (horizontal resolution) and 1024 vertical lines (vertical resolution).

- BTSC
Broadcast Television System Committee
The stereo broadcasting system that is used in most of the countries that have adopted the NTSC system, including the United States, Canada, Chile, Venezuela and Taiwan. It also refers to the organization that has been organized to promote its development and management.

- EIAJ
Electronic Industries Association of Japan.

- RF Cable
A round signal cable generally used for TV antennas.

- Satellite Broadcasting
Broadcasting service provided via satellite. Enables high picture quality and clear sound throughout the country regardless of the location of the viewer.

- Sound Balance
Balances the levels of the sound coming from each speaker in televisions with two speakers.

- Cable TV
Whereas the terrestrial broadcasting is delivered via frequency signals through the air, cable broadcasting is transmitted via a cable network. In order to view cable TV, one must purchase a cable receiver and hook it up to the cable network.

- CATV
"CATV" refers to the broadcasting service offered at hotels, schools and other buildings through their own broadcasting system, apart from VHF or UHF broadcasting by terrestrial broadcasters. The CATV programs may include movies, entertainment and educational programs. (Different from cable TV.)

CATV can be viewed only within the area in which the CATV service is offered.

- S-Video
Short for "Super Video." S-Video allows up to 800 lines of horizontal resolution, enabling high-quality video.

- VHF/UHF
VHF indicates TV channels 2 to 13, and UHF indicates channels 14 through 69.

- Channel Fine Tuning
This feature allows the viewer to fine-tune the TV channel to obtain the best viewing conditions. The Samsung LCD TV has both automatic and manual channel fine-tuning features to enable the viewer to adjust their desired settings.

- External Device Input
External device input refers to video input from such external video devices as VCRs, camcorders and DVD players, separate from a TV broadcast.

14-2 Pin Assignments

14-2-1 DVI-D

Sync Type / Pin No.	24P DVI-D		
1	Rx2-	13	NC
2	Rx2+	14	DDC Input power (+5V)
3	GND	15	IDENT-DVI
4	NC	16	Output Signal (HDCP Control)
5	NC	17	Rx0-
6	DDC - SCL	18	Rx0+
7	DDC - SDA	19	GND
8	NC	20	NC
9	Rx1-	21	NC
10	Rx1+	22	GND
11	GND	23	RxC+
12	NC	24	RxC-

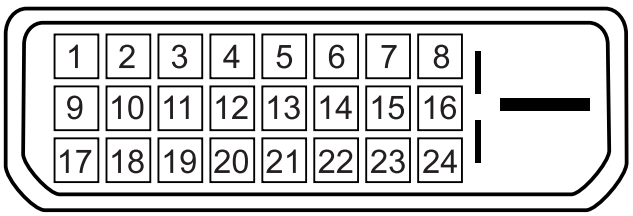


Figure 1.

14-2-2 Component

RCA Green	Y
	GND
RCA Blue	Pb (Cb)
	GND
RCA Red	Pr (Cr)
	GND
RCA White	Audio L
	GND
RCA Red	Audio R
	GND

14-2-3 S-Video

Pin	Separate
1	GND
2	Y
3	C
4	GND
5	GND

14-2-4 A/V

RCA Yellow	CVBS
RCA White	Audio L
	GND
RCA Red	Audio R
	GND

14-2-5 D-SUB

Pin	Separate
1	Red
2	Green
3	Blue
4	GND
5	GND
6	GND Red
7	GND Green
8	GND Blue
9	DDC Input power(+5V)
10	IDENT PC
11	GND
12	DDC Data(SDA)
13	H SYNC
14	V SYNC
15	DDC Clock(SCL)

14-2-6 PC Display mode

Both screen position and size will vary depending on the type of PC monitor and its resolution.

The resolutions in the table are recommended. (All resolutions between the supported limits are supported)

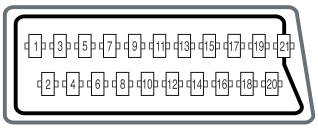
Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	640 x 480	31.469	59.940	25.175	- / -
	720 x 400	31.469	70.087	28.322	- / +
VESA	640 x 480	37.861	72.809	31.500	- / -
	640 x 480	37.500	75.000	31.500	- / -
	800 x 600	37.879	60.317	40.000	+ /+
	800 x 600	48.077	72.188	50.000	+ /+
	800 x 600	46.875	75.000	49.500	+ /+
	1024 x 768	48.364	60.000	65.000	- / -
	1024 x 768	56.476	70.069	75.000	- / -
	1024 x 768	60.023	75.029	78.750	+ /+
	1360 x 768	47.712	60.015	85.800	+ /+

- The interlace mode is not supported.

- The set might operate abnormally if a non-standard video format is selected.

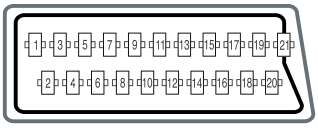
- DVI dose not support PC function.

14-2-7 Scart 1



Pin	Signal	Pin	Signal
1	Audio output R	12	NC
2	Audio input R	13	Video GND (RGB red)
3	Audio output L	14	GND
4	Audio common GND	15	RGB red input
5	Video GND (RGB blue)	16	Fast Blanking signal (RGB switching)
6	Audio input L	17	Video output GND
7	RGB blue input	18	Video input GND
8	Switching voltage	19	Video output (CVBS out)
9	Video GND (RGB green)	20	Video input (CVBS in)
10	NC	21	Common GND
11	RGB green input		

14-2-8 Scart 2



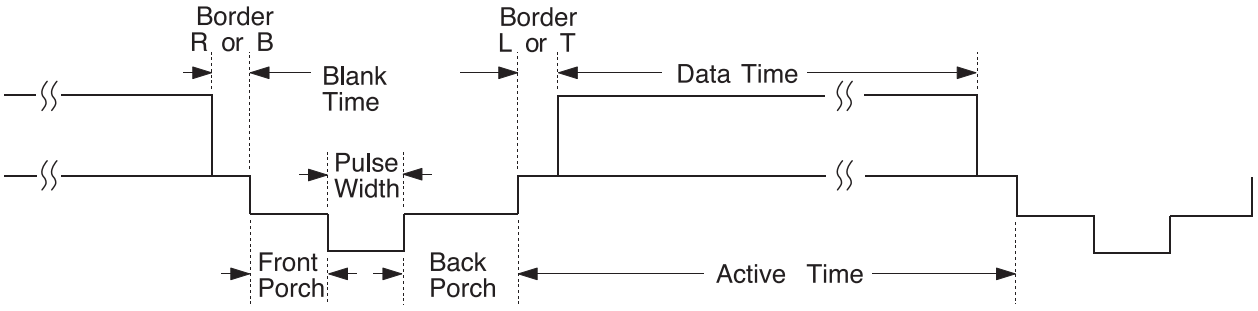
Pin	Signal	Pin	Signal
1	Audio output R	12	NC
2	Audio input R	13	Video GND (RGB red)
3	Audio output L	14	GND
4	Audio common GND	15	RGB red input
5	Video GND (RGB blue)	16	NC
6	Audio input L	17	Video output GND
7	RGB blue input	18	Video input GND
8	Switching voltage	19	Video output (CVBS out)
9	Video GND (RGB green)	20	Video input (CVBS in)
10	NC	21	Common GND
11	RGB green input		

14-3 Timing Chart

This section of the service manual describes the timing that the computer industry recognizes as standard for computer-generated video signals.

14-3-1 LCD Panel Mode1 mode

Timing No.	LTA400W2
Originator	VESA
Mode Name	1366/60Hz
Resolution (HxV)	1366x768
HORIZONTAL	
Frequency	47.712kHz
Total time	20.959μs
Activetime	15.906μs
Blank time	5.053μs
Border(L / R)	0.000μs
Data time	15.906μs
Front porch	0.749μs
Sync. width	1.702μs
Back porch	2.994μs
Sync. polarity	Positive
VERTICAL	
Frequency	60.015Hz
Total time	16.662 ms
Active time	16.097ms
Blank time	0.566 ms
Border(T/B)	0.000 ms
Data time	16.097ms
Front porch	0.063 ms
Sync. width	0.105 ms
Back porch	0.377ms
Sync polarity	Positive
Dot Clock	85.500MHz
Sync. Type	Separate
Scan Type	N/I



14-3-2 Supported Modes (1)

Timing No.	2	3	11	17	32
Originator	IBM	IBM	VESA	VESA	MAC
Mode Name	VGA2	VGA3	640/72Hz	640/75Hz	640/67Hz
Resolution (HxV)	720x400	640x480	640x480	640x480	640x480
HORIZONTAL					
Frequency	31.469kHz	31.469kHz	37.861kHz	37.500kHz	35.000kHz
Total time	31.777μs	31.778μs	26.413μs	26.667μs	28.571μs
Activetime	26.058μs	26.058μs	20.825μs	20.317μs	21.164μs
Blank time	5.720μs	5.720μs	5.588μs	6.350μs	7.407μs
Border(L / R)	0.318μs	0.318μs	0.254μs	0.000μs	0.000μs
Data time	25.422μs	25.422μs	20.317μs	20.317μs	21.164μs
Front porch	0.318μs	0.318μs	0.508μs	0.508μs	2.116μs
Sync. width	3.813μs	3.813μs	1.270μs	2.032μs	2.116μs
Back porch	1.589μs	1.589μs	3.810μs	3.810μs	3.175μs
Sync. polarity	Negative	Negative	Negative	Negative	Negative
VERTICAL					
Frequency	70.087Hz	59.940Hz	72.809Hz	75.000Hz	66.667Hz
Total time	14.268ms	16.683ms	13.735ms	13.333ms	15.000ms
Active time	13.155ms	15.761ms	13.100ms	12.800ms	13.714ms
Blank time	1.113ms	0.922ms	0.635ms	0.533ms	1.286ms
Border(T/B)	0.222ms	0.254ms	0.211ms	0.000ms	0.000ms
Data time	12.711ms	15.253ms	12.678ms	12.800ms	13.714ms
Front porch	0.191ms	0.064ms	0.026ms	0.027ms	0.086ms
Sync. width	0.064ms	0.064ms	0.079ms	0.080ms	0.086ms
Back porch	0.858ms	0.794ms	0.528ms	0.427ms	1.114ms
Sync polarity	Positive	Negative	Negative	Negative	Negative
Dot Clock	28.322MHz	25.175MHz	31.500MHz	31.500MHz	30.240MHz
Sync. Type	Separate	Separate	Separate	Separate	Separate
Scan Type*	N/I	N/I	N/I	N/I	N/I

14-3-3 Supported Modes (2)

Timing No.	13	14	18
Originator	VESA	VESA	VESA
Mode Name	800/60Hz	800/72Hz	800/75Hz
Resolution (HxV)	800x600	800x600	800x600
HORIZONTAL			
Frequency	37.879kHz	48.077kHz	46.875kHz
Total time	26.400μs	20.800μs	21.333 μs
Activetime	20.000μs	16.000μs	16.162 μs
Blank time	6.400 μs	4.800 μs	5.171 μs
Border(L / R)	0.000 μs	0.000 μs	0.000 μs
Data time	20.000μs	16.000μs	16.162 μs
Front porch	1.000 μs	1.120 μs	0.323 μs
Sync. width	3.200 μs	2.400 μs	1.616 μs
Back porch	2.200 μs	1.280 μs	3.232 μs
Sync. polarity	Positive	Positive	Positive
VERTICAL			
Frequency	60.317Hz	72.188Hz	75.000Hz
Total time	16.579ms	13.853ms	13.333ms
Active time	15.840ms	12.480ms	12.800ms
Blank time	0.739ms	1.373ms	0.533ms
Border(T/B)	0.000ms	0.000ms	0.000ms
Data time	15.840ms	12.480ms	12.800ms
Front porch	0.026ms	0.770ms	0.021ms
Sync. width	0.106ms	0.125ms	0.064ms
Back porch	0.607ms	0.478ms	0.448ms
Sync polarity	Positive	Positive	Positive
Dot Clock	40.000MHz	50.000MHz	49.500MHz
Sync. Type	Separate	Separate	Separate
Scan Type*	N/I	N/I	N/I

14-3-4 Supported Modes (3)

Timing No.	15	16	19	
Originator	VESA	VESA	VESA	VESA
Mode Name	1024/60Hz	1024/70Hz	1024/75Hz	1360/60Hz
Resolution (HxV)	1024x768	1024x768	1024x768	1360x768
HORIZONTAL				
Frequency	48.363kHz	56.476kHz	60.023kHz	47.712kHz
Total time	20.677μs	17.707μs	16.660μs	20.959μs
Activetime	15.754μs	13.653μs	13.003μs	15.906μs
Blank time	4.923μs	4.053 μs	3.777 μs	5.053μs
Border(L / R)	0.000μs	0.000μs	0.000μs	0.000μs
Data time	15.754μs	13.653μs	13.003μs	15.906μs
Front porch	0.369μs	0.320μs	0.323μs	0.749μs
Sync. width	2.092μs	1.813μs	1.219μs	1.702μs
Back porch	2.462μs	1.920μs	2.235μs	2.994μs
Sync. polarity	Negative	Negative	Positive	Positive
VERTICAL				
Frequency	60.004Hz	70.069Hz	75.029Hz	60.015Hz
Total time	16.666ms	14.272ms	13.328ms	16.662ms
Active time	15.880ms	13.599ms	12.795ms	16.097ms
Blank time	0.786ms	0.672ms	0.533ms	0.566ms
Border(T/B)	0.000ms	0.000ms	0.000ms	0.000ms
Data time	15.880ms	13.599ms	12.795ms	16.097ms
Front porch	0.062ms	0.053ms	0.017ms	0.063ms
Sync. width	0.124ms	0.106ms	0.050ms	0.105ms
Back porch	0.600ms	0.513ms	0.466ms	0.377ms
Sync polarity	Negative	Negative	Positive	Positive
Dot Clock	65.000MHz	75.000MHz	78.750MHz	85.500MHz
Sync. Type	Separate	Separate	Separate	Separate
Scan Type	N/I	N/I	N/I	N/I

14-4 Panel Description

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
SEC	LT140X1-002	BN07-00004A	SA	BN68-00239H	-
SEC	LT150XS-L01	BN07-00009A	SB		-
SEC	LT150XS-L01-B	BN07-00022A	SC		-
SEC	LTM150XS-L02	BN07-00005A	SD		-
SEC	LT181E2-132	BN07-00001A	SE		-
SEC	LT150XS-T01	BN07-00010A	SF		-
SEC	LTM181E3-132	BN07-00019A	SG		-
SEC	LT170E2-131	BN07-10001D	SH		-
SEC	LT181E2-131	BN07-10001E	SJ		-
SEC	LTM170E4-L01	BN07-00018A	SK		-
SEC	LTM240W1-L01	BN07-00015A	SL		-
SEC	LTM213U3-L01	BN07-00016A	SM		-
SEC	LTM150XH-L01	BN07-00026A	SN		-
SEC	LTM150XH-L03	BN07-00027A	SP		-
SEC	LTM150XS-L01	BN07-00032A	SQ		DELL(ZPD)
SEC	LTM181E4-L01	BN07-00034A	SR		PVA
SEC	LTM170EH-L01	BN07-00036A	SS		TN
SEC	LTM170E5-L01	BN07-00037A	SU		PVA
SEC	LTM150XH-L11	BN07-00041A	SV		-
SEC	LTM213U4-L01	BN07-00039A	SW		PVA
SEC	LTM150XH-L01(ZPD)	BN07-00045A	SX		ZPD
SEC	LTM150XH-L04	BN07-00046A	SY		New panel with high brightness
SEC	LTM170W1-L01	BN07-00047A	SZ		Panel for TV
SEC	LTM150XH-L06	BN07-00053A	EA		Panel for TV/ High luminance for 450cd _ SONY&EOS Team Panel for TV
SEC	LTM153W1-L01	BN07-00054A	EB		Use NIKE MODEL
SEC	LTM170EH-L05	BN07-00055A	EC		Panel EOS proj. for high brightness of 17" EH-L05
SEC	LTM170E5-L03	BN07-00056A	ED		Dell 1702FP pro. E4. EH mechanical Compatible
SEC	LTM190E1-L01	BN07-00057A	EE		DELL 1900 FP
SEC	LTM181E5-L01	BN07-00061A	EF		18" narrow bezel GH18PS
SEC	LTM150XP-L01	BN07-00065A	EG		AMLCD PVA PANEL
SEC	LTM240W1-L02	BN07-00062A	EH		Panel for 15" Wide TV
SEC	LTM170EU-L01	BN07-00071A	EJ		Slim design, TN
SEC	LTM170E5-L04	BN07-00072A	EK		E5-L04 6 bits FRC... for IBM
SEC	LTA220W1-L01	BN07-00074A	EL		Panel for 22" TV
SEC	LTM170E6-L02	BN07-00075A	EM		AMLCD Narrow & slim design 17" PVA mode
SEC	LTM170W1-L01	BN07-00082A	EN		LTM170W1-L01 ZPD panel
SEC	LTM170EH-L01	BN07-00080A	EP		LTM170EH-L01 ZPD panel
SEC	LTM170E5-L01	BN07-00081A	EQ		LTM170E5-L01 ZPD panel
SEC	LTM170EH-L05	BN07-00083A	ER		LTM170EH-L05 ZPD panel
SEC	LTM170E5-L03	BN07-00084A	ES		LTM170E5-L03 ZPD panel
SEC	LTM170EU-L01	BN07-00085A	ET		LTM170EU-L01 ZPD panel
SEC	LTM170E5-L04	BN07-00086A	EU		LTM170E5-L04 ZPD panel
SEC	LTM170E6-L02	BN07-00087A	EV		LTM170E6-L02 ZPD panel
SEC	LTM150XH-L06	BN07-00091A	EW		Color coordinates change for LCD TV
SEC	LTM153W1-L01	BN07-00092A	EX		AMLCD WIDE 15",9/10
SEC	LTM170W1-L01	BN07-00100A	EY		Color Coordinates change code management
SEC	LTM170EH-L05	BN07-00097A	EZ		LTM170E5-L05 Color Coordinates Change Panel Code

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
SEC	LTA400W1-L01	BN07-00109A	S1		PANEL of AMLCD 40" TV
SEC	LTM153W1-L01	BN07-00110A	S2		Color coordinates change 0.280/0.290, 10000k & ZPD Panel
SEC	LTM150XH-L06	BN07-00111A	S3		Color coordinates change 0.280/0.290, 10000k & ZPD Panel
SEC	LTM170W1-L01	BN07-00112A	S4		Color coordinates change 0.280/0.290, 10000k & ZPD Panel
SEC	LTM170EH-L05	BN07-00113A	S5		Color coordinates change 0.280/0.290, 10000k & ZPD Panel
SEC	LTM220W1-L01	BN07-00114A	S6		ZPD Panel for AMLCD 22" TV
SEC	LTM150XH-L06	BN07-00117A	S7		ZPD Panel code
SEC	LTM153W1-L01	BN07-00118A	S8		ZPD Panel code
SEC	LTM170WP-L01	BN07-00119A	S9		PVA Panel for NIKE
SEC	LTM213U4-L01	BN07-00039A	E1		21.3" NARROW
SEC	LTA260W1-L01	BN07-00121A	E2		VENUS
SEC	LTA220W1-L01	BN07-00074B	E3		"Panel B-level panel code for 22"" TV Panel "
SEC	LTA320W1-L01	BN07-00108A	E4		"Panel for AMLCD 32"" TV"
SEC	LTM213U4-L01	BN07-00124A	E5		NARROW BEZEL 21 " PANEL
SEC	LTM170E6-L04	BN07-00129A	E6		"HIGHLAND 17"" LOW PANEL (Panel only for TCO03)"
SEC	LTM190E1-L01	BN07-00088A	E7		LTM190E1-L01 ZPD panel
SEC	M150X4-L06	BN07-00137A	E8		15" Narrow & Slim panel
SEC	LTA170V1	BN07-00139A	E9		"17"" Panel for Muse 4:3 VGA TV"
SEC	LTM190E1-L02	BN07-00128A	E10		"New Panel from AMLCDl, Specification : 6bit Driver IC"
SEC	LTM170EX-L01	BN07-00143A	E11		"Development new Panel from AMLCD"
SEC	LTM170E8-L01	BN07-00144A	E12		"Development new Panel from AMLCD"
SEC	LTM170E6-L04	BN07-00129B	E13		"ZPD panel for AMLCD (Panel only for TCO03)"
SEC	LTA320W1-L02	BN07-00108B	E14		"Creat B-level Panel code for AMLCD 32"" TV"
SEC	LTM190E1-L03	BN07-00151A	E15		"Development new 19"" Panel form AMLCD (Panel only for TCO03)"
SEC	LTM240W1-L03	BN07-00134A	E16		"AMLCD 24"" panel development"
SEC	LTM190E1-L02	BN07-00128B	E17		"New Panel from AMLCD, Specification : 6bit Driver IC(ZPD)"
SEC	LTM190E4-L01	BN07-00145A	E18		"AMLCD 24"" new panel development"
SEC	LTM170E8-L01	BN07-00158A	E19		"ZPD code derivation"
SEC	LTM170EX-L01	BN07-00159A	E20		"ZPD code derivation"
SEC	LTM190E1-L03	BN07-00151B	E21		"Creat new panel code for AMLCD 19"" (Panel only for TCO03)"
SEC	LTA460H1-L01	BN07-00157A	E22		"creat panel code for AMLCD 46"" TV "
SEC	LTM170EU-L11	BN07-00160A	E23		"creat new panel code for AMLCD 17"" (Panel only for TCO03)"
SEC	LTM240W1-L03	BN07-00134B	E24		"24"" panel ZPD code derivation"
SEC	LTM190E4-L01	BN07-00145B	E25		"AMLCD 19"" ZPD Panel code derivation"
SEC	LTM240W1-L03	BN07-00134B	E26		"24"" panel ZPD code derivation"
SEC	LTM150XO-L01	BN07-00164A	E27		"AMLCD 15"" XO-L01 new panel development"
SEC	LTM150XO-L01	BN07-00164B	E28		"AMLCD 15"" XO-L01 ZPD code derivation"
SEC	LTM170EU-L11	BN07-00160B	E29		"AMLCD 17"" NEW panel code derivation"
SEC	LTA320W2-L01	BN07-00172A	SPZ		AMLCD 32" NEW panel
SEC	LTM213U4-L01	BN07-00124B	SPZ		21.3" Narrow PANEL ZPD Panel derivation
SEC	LTM170EU-L11	BN07-00189A	STH		AMLCD EU-L11 Pb free panel code derivation
SEC	LTM170EU-L11	BN07-00189B	STZ		AMLCD EU-L11 Pb free panel ZPD code derivation
SEC	LTM240W1-L04	BN07-00188A	SPH		24" A-DCC new panel development
SEC	LTM240W1-L04	BN07-00188B	SPZ		24" A-DCC panel ZPD code derivation
SEC	LTM190EX-L01	BN07-00191A	STH		AMLCD 19" TN new Panel
SEC	LTM190EX-L02	BN07-00191B	STZ		AMLCD 19" TN new Panel ZPD derivation
SEC	LTA230W1-L02	BN07-00184A	SPZ		AMLCD 23" 16:9 new Panel

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
SEC	LTA260W2-L01	BN07-00185A	SPZ		AMLCD 26" 16:9 new Panel
SEC	LTM240M1-L01	BN07-00195A	SPH		24" panel with high brightness deveiopment
SEC	LTA400W2-L01	BN07-00186A	SPZ		AMLCD 40" 16:9 new Panel
SEC	LTM150XO-L01	BN07-00197A	STH		AMLCD 15" XO-L01 Pb free panel code
SEC	LTM150XO-L01	BN07-00197B	STZ		AMLCD 15" XO-L01 Pb free panel ZPD code
SEC	LTM170EU-L21	BN07-00202A	STZ		AMLCD EU-L21 ZPD new code derivation
SEC	LTA460W2-L03	BN07-00187A	SPZ		BEETOVEN 46"ZPD new panel
SEC	LTM240M1-L01	BN07-00195B	SPZ		24" igh brightness panel ZPD code derivation
SEC	M170EX-L21	BN07-00206A	STZ		AMLCD LTM170EX-L21 ZPD new code derivation
SEC	LTA460H3-L01	BN07-00200A	SPZ		AMLCD 46" LED BLU panel
SEC	LTM170EU-L15	BN07-00214A	STZ		AMLCD EU-L15 TV high brightness ZPD new code derivation
SEC	LTM170E8-L21	BN07-00218A	SPZ		AMLCD LTM170E8-L21 PVA ZPD new code derivation
SEC	LTM190EX-L21	BN07-00222A	STZ		DISPLAY LCD
SEC	LTM201U1-L01	BN07-00190B	SPZ		AMLCD 20.1" Normal panel ZPD code derivation
SEC	LTM190E4-L21	BN07-00223A	SPZ		HAYDN 17" PZD code PANEL derivation
SEC	LTA570H1-L01	BN07-00196A	SPZ		AMLCD 57" new panel development
SEC	LTM150XO-L21	BN07-00229A	STZ		AMLCD 15" XO-L21 8ms panel code
SEC	LTA260W2-L11	BN07-00239A	SPZ		AMLCD 26" 16:9 7Line new Panel
SEC	LTA400WS-LH1	BN07-00245A	SPZ		AMLCD 40" 16:9 SPVA 90% new Panel
SEC	LTM213U6-L01	BN07-00231A	SPZ		AMLCD 21.3" PVA new Panel Code
SEC	LTM213U6-L01	BN07-00231B	SPH		AMLCD 21.3" PVA Panel HPD Code
SEC	LTA320WS-LH2	BN07-00244A	SPZ		AMLCD 32" 16:9 SPVA 90% new Panel
SEC	LTA400WS-LH1	BN07-00245A	SPZ		AMLCD 40" 16:9 SPVA 90% new Panel
SEC	LTM190M2-L01	BN07-00227A	STZ		AMLCD 19" TN Wide new Panel Code development
SEC	LTM201UX-L01	BN07-00249A	STZ		AMLCD 20.1" TN new Panel Code development
SEC	LTM240M1-L02-A05	BN07-00250A	SPZ		24" High luminance Slim panel ZPD code
SEC	LTA320W3-L02	BN07-00219A	SPZ		AMLCD 32" new Panel
SEC	LTA320W2-L11	BN07-00259A	SPZ		AMLCD 32" 16:9 IP Board Panel
SEC	LTA460WS-L02	BN07-00252A	SPZ		AMLCD 46" 16:9 SPVA 72% Panel
SEC	LTA400WT-L01	BN07-00264A	SPZ		
SEC	LTM240M2-L02	BN07-00267A	SPZ		LCD Monitor 24" wide SPVA ZPD new code
SEC	LTM210M2-L02	BN07-00230A	SPZ		
SEC	LTA320WT-L11	BN07-00257A	SPZ		
SEC	LTM190EX-L21-G	BN07-00274A	STZ		AMLCD 19" TN Glare new Panel Code
CPT	CLAA150XG09	BN07-00141A	PA		CPT 15" Monitor new panel development
CPT	CLAA170EA02	BN07-00148A	PB		"17"" CPT NEW development panel"
CPT	CLAA170EA02	BN07-00148B	PC		"17"" CPT ZPD panel code derivation"
CPT	CLAA150XG09	BN07-00141B	PTZ		"CPT 15"" panel ZPD code derivation (GOYA-PJT)"
CPT	CLAA150XP01	BN07-00173A PTH			CPT 15" PSWG code derivation
CPT	CLAA150XP01	BN07-00173B PTZ			CPT 15" PSWG panel ZPD code
CPT	CLAA170EA07	BN07-00174A PTH			CPT 17" PSWG panel code derivation
CPT	CLAA170EA07	BN07-00174B PTZ			CPT 17" PSWG type new Panel code
CPT	CLAA170EA07Q	BN07-00220A PTZ			CPT 17" PSWG R/T 8msec code derivation
CPT	CLAA170EA07Q	BN07-00220B PTH			CPT 17" PSWG R/T 8msec HPD code derivation
CPT	CLAA150XP01F	BN07-00236A PTZ			CPT 15" PSWG panel ZPD & Lead free code derivation
TOSHIBA	LTM15C419(A)	BN07-00002A TA			-
TOSHIBA	LTM15C423(B)	BN07-00006A TB			-

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
TOSHIBA	LTM18C161	BN07-00008A	TC		-
TOSHIBA	LTM15C443	BN07-00031A	TD		-
TOSHIBA	LTM15C458	BN07-00043A	TE		-
TOSHIBA	LTM15C458S	BN07-00077A	TF		"TSB 15"" high brightness Panel"
TOSHIBA	LTM15C458	BN07-00078A	TG		Toshiba ZPD panel
TOSHIBA	LTM15C458S	BN07-00099A	TH		TSB LTM15C458S (ZPD)
HANNSTAR	HSD150MX41A(A)	BN07-00020A	NA		"TTL type"
HANNSTAR	HSD150MX12	BN07-00030A	NB		"TTL type"
HANNSTAR	HSD170ME13	BN07-00180A	NTH		Hannstar 17" TN new panel development
HANNSTAR	HSD170ME13	BN07-00180B	NTZ		Hannstar 17" TN new panel development ZPD code derivation
HANNSTAR	HSD190ME12	BN07-00210A	NTZ		Hannstar 19" TN new panel development
HANNSTAR	HSD150MX17-A	BN07-00226A	NTZ		Hannstar 15" slim panel ZPD code derivation
HANNSTAR	HSD190ME12-A10	BN07-00256A	NTZ		Hannstar 19" TN PSWG 8ms new panel development
HANNSTAR	HSD190ME13-D11	BN07-00270A	NTZ		Hannstar 19" TN Slim 5ms new panel development
TORISAN	TM150XG-22L03(A)	BN07-00021A	RA		-
TORISAN	TM150XG-26L06	BN07-00042A	RB		-
TORISAN	TM181SX-76N01	BN07-00048A	RC		-
TORISAN	TM150XG-26L06	BN07-00059A	RD		15" XGA TN MODE(ZPD)
TORISAN	TM290WX-71N31	BN07-00063A	RE		"RS24NS (TORISAN 29"" NEW PANEL)"
TORISAN	TM396WX-71N31	BN07-00064A	RF		"RS24NS (TORISAN 40"" NEW PANEL)"
TORISAN	TM150XG-26L09	BN07-00073A	RG		"Panel for 15"" TV"
TORISAN	TM150XG-26L10	BN07-00089A	RH		"L10(change except D/IC) ZPD"
TORISAN	TM150XG-26L10	BN07-00090A	RJ		L10 NORMAL
TORISAN	TM190SX-70N01	BN07-00098A	RK		Torisan 19" Panel
TORISAN	TM181SX-76N01	BN07-00106A	RL		ZPD Panel code
TORISAN	TM190SX-70N01	BN07-00107A	RM		ZPD Panel code
TORISAN	TM290WX-71N31	BN07-00115A	RN		"Color Coordinates change panel for TORISAN 29"" TV"
TORISAN	TM396WX-71N31	BN07-00116A	RP,Q		"Color Coordinates change panel for TORISAN 40"" TV"
TORISAN	TM22OWX-71N31	BN07-00125A	RR		"Development TORISAN 22"" TV PANEL (ZPD)"
TORISAN	TM22OWX-71N31	BN07-00127A	RS		"Development TORISAN 22"" TV PANEL (HPD)"
TORISAN	TM396WX-71N32A	BN07-00150A	RT		120V inverter Exclusive panel
TORISAN	TM190SX-70N02	BN07-00154A	RMH		Torisan 6bit panel code Derivation
TORISAN	TM190SX-70N02	BN07-00154B	RMZ		Torisan 6bit panel code Derivation
TORISAN	TM150XG-A01	BN07-00162A	RTH		Torisan 15" Narrow & Slim panel development
TORISAN	TM150XG-A01	BN07-00162B	RTZ		Torisan 15" N&S panel ZPD code Derivation
SHARP	LQ181E1DG11(A)	BN07-10001C	PA		-
SHARP	LQ150X1LW71	BN07-00067A	PB		SHARP 15" PVA PANEL
SHARP	LQ370T3LZ41	BN07-00216A	FAZ		Rome2
HITACHI	TX38D12VC0CAA(A)	BN07-00003A	HA		-
HITACHI	TX43DVCOCAB	BN07-00060A	HB		17" SXGA PVA MODE
HITACHI	TX43D15VC0CAB	BN07-00101A	HC		ZPD Panel
HITACHI	TX51D11VC0CAB	BN07-00122A	HD		20.1" NARROW
HITACHI	TX54D11VC0CAB	BN07-00123A	HE		21.3" NARROW
HITACHI	TX80D12VC0CAB	BN07-00169A	HIZ		"Development new panel for Hitachi 32"" TV (ZPD)"
HITACHI	TX54D11VC0CAB	BN07-00123B	HIZ		Hitachi 21.3"ZPD panel
IBM	ITSX94S	BN07-00017A	IA		-
UNIPAC	UM170E0	BN07-00028A	UA		Loaded by cisdba

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
HYUNDAI	HT15X13	BN07-00035A	DA		-
HYUNDAI	HT17E11-200	BN07-00049A	DB		TN MODE
HYUNDAI	HT17E11-300	BN07-00093A	DC		HT17E11-300 ZPD panel
HYUNDAI	HT17E11-400	BN07-00094A	DD		HT17E11-400 normal panel
HYUNDAI	HT17E11-400	BN07-00095A	DE		HT17E11-400 ZPD panel code
HYUNDAI	HT17E12	BN07-00096A	DF		HT17E12 (Narow & slim Design)
HYUNDAI	HT17E12	BN07-00105A	DG		ZPD Panel code
HYUNDAI	HT15X15-D00	BN07-00146A	DH		"Development for Ares 15"" Hydis TV"
HYUNDAI	HT15X15-D01	BN07-00146B	DJ		"Derivation panel HPD for Ares 15"" Hydis TV "
HYUNDAI	HT17E13-100	BN07-00167A	DTH		"PINEHURST-2(IBM) PJT 17"" HYDIS PANEL Derivation"
HYUNDAI	HT17E13-100	BN07-00167B	DTZ		"PINEHURST-2(IBM) Hydis 17"" ZPD code Derivation"
HYUNDAI	HT170EX1-100	BN07-00240A	DTZ		17" EX compatible Hydis Slim panel development
HYUNDAI	HT201V01-100	BN07-00263A	DTZ		Hydis 20.1" 4:3 VGA Mode TN Panel
ACER	L170E3	BN07-00044A	AA		TN(ADT)
ACER	M170EN05	BN07-00076A	AB		AU 17" Panel (Narrow & slim design)
ACER	M170EN05	BN07-00102A	AC		ZPD Panel code
ACER	M190EN02	BN07-00170A	AMH		"AU Monitor 19"" new panel development (P19-1S)"
ACER	M190EN02	BN07-00170B	AMZ		"AU 19"" ZPD code derivation (ZPD)"
ACER	M170EN06	BN07-00171A	ATH		"AU Monitor 17"" New panel development "
ACER	T260XW01	BN07-00163A	AMZ		"AU 26"" new panel development (NF26EO)"
ACER	A201SN01	BN07-00177A	ATZ		"AU TV panel 20.1"" TN SVGA new panel development"
ACER	M170EN06	BN07-00171B	ATZ		AU Monitor 17" ZPD code derivation
ACER	T315XW01	BN07-00194A	AMZ		AU 32" new
ACER	M170EG01	BN07-00192A	ATH		AU TN PSWG type new Panel code
ACER	M170EG01	BN07-00192B	ATZ		AU TN PSWG type NEW panel code derivation
ACER	M190EN04	BN07-00203A	ATH		AU Monitor 19" ZPD new Panel code
ACER	T260XW02	BN07-00208A	AMZ		AUO 26" ZPD panel
ACER	M170EG01 V8	BN07-00221A	ATZ		AU TN PSWG type new Panel (8msec) ZPD code derivation
ACER	T260XW02	BN07-00233A	AMZ		AUO 26" Panel new (Cosmetic spec down grade)
ACER	T315XW01	BN07-00234A	AMZ		AUO 32" Grade new (Cosmetic spec down grade)
ACER	M190EN03	BN07-00224A	AMZ		AU Monitor 19" MVA new code derivation
ACER	T315XW01	BN07-00237A	AMZ		LCD TV VE project new
ACER	T315XW01	BN07-00238A	AMZ		LCD TV VE project new
ACER	M201UN02 V3	BN07-00168A	AMZ		
ACER	M201UN02 V3	BN07-00168B	AMH		
ACER	M190EN04 V7	BN07-00248A	ATZ		AU Monitor 19" TN Glare ZPD new code derivation
ACER	A070VW01	BN07-00235A	ATZ		electonic Album new Panel code
ACER	T315XW01	BN07-00253A	AMZ		LCD TV VE item model : T315XW01
ACER	T260XW02	BN07-00254A	AMZ		AUO 26" VE item model
ACER	M170EU01	BN07-00260A	ATZ		AUO 17" Slim TN ZPD Type ½Å±Ô code ÆÄ»ý
ACER	T370XW01	BN07-00255A	AMZ		ROME 37" model
CHIMEI	M170E3-LO1	BN07-00050A	CA		TN PANEL
CHIMEI	M150X3-L01	BN07-00051A	CB		COMPATIBLE
CHIMEI	M170E4-L01	BN07-00052A	CC		MVA PANEL
CHIMEI	M150X2-L01	BN07-00066A	CD		CHIME 15"I PVA PANEL
CHIMEI	M150X3-L01	BN07-00079A	CE		Chimei ZPD panel
CHIMEI	M170E3-L01	BN07-00103A	CF		ZPD Panel code

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
CHIMEI	M170E4-L01	BN07-00104A	CG		ZPD Panel code
CHIMEI	V296W1-L01	BN07-00120A	CH		MVA
CHIMEI	M170E6-L02	BN07-00126A	CJ		HIGHLAND 17" LOW PANEL
CHIMEI	M190E2-L01	BN07-00131A	CK		GH19AS,BS CHIMEI PANEL
CHIMEI	M150X4-L06	BN07-00137A	CL		15" Narrow & Slim panel
CHIMEI	M170E6-L01	BN07-00133A	CM		"2003-03-11 vendor change"
CHIMEI	M170E6-L01	BN07-00133B	CN		ZPD derivation panel
CHIMEI	V201V1-T01	BN07-00135A	CP		CHIMEI 20.1" panel development
CHIMEI	M170E6-L02	BN07-00126B	CQ		"HIGHLAND 17"" LOW PANEL ZPD derivation panel"
CHIMEI	M170E6-L05	BN07-00152A	CR		"CMO 17"" new panel development code"
CHIMEI	M170E6-L05	BN07-00152B	CS		"CMO 17"" ZPD panel code derivation"
CHIMEI	M150X4-L06	BN07-00137B	CT		Chimei 15" Narrow & Slim panel ZPD derivation
CHIMEI	M170E5-L05	BN07-00165A	CTH		CMO 17" new panel development code (GOYA2-PJT)
CHIMEI	M170E5-L05	BN07-00165B	CTZ		CMO 17" ZPD panel(GOYA2-PJT)
CHIMEI	V230W1-L02	BN07-00209A	CMZ		CMO 23" development
CHIMEI	V320B1-L01	BN07-00207A	CMZ		CMO 32" development
CHIMEI	V270W1-L01	BN07-00136A	CMZ		CHI MEI 27" panel development
CHIMEI	M190E5-L0A	BN07-00213A	CTZ		
CHIMEI	M190E3-L0A	BN07-00212A	CMZ		CMO M190E3-L0A MVA Type new code
CHIMEI	M170E7-L01	BN07-00232A	CTZ		CMO 17" Slim TN ZPD Type new code
CHIMEI	M190A1-L01	BN07-00228A	CTZ		CMO 19" Wide TN ZPD Type new code
NEC	SVA150XG04TB	BN07-00225A	BTZ		SVA NEC 15" panel ZPD code

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Samsung Electronics Co.,Ltd.
416, Maetan-3Dong, Yeongtong-Gu, Suwon City,
Gyeonggi-Do, Korea, 443-742
Printed in Korea
P/N : BN82-00144A-00
URL : http://itself.sec.samsung.co.kr/